

Converting Colors

XYZ(72.6118, 86.4200, 73.7667)

Have a look what the booklet for
XYZ(72.6118, 86.4200, 73.7667)
contains.

XYZ(72.6599, 86.4016, 73.8204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.6599, 86.4016,
73.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F9D2
RGB	212, 249, 210
RGB Percent	83%, 98%, 82%
CMY	0.1686, 0.0235, 0.1765
CMYK	0.15, 0.00, 0.16, 0.02
HSL	117°, 76%, 90%
HSV	117°, 16%, 98%
XYZ	72.6599, 86.4016, 73.8204
YIQ	233.4910, -9.5330, -19.9730

Conversions

Conversions Part 2

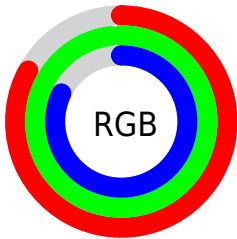
Format	Color
R _Y B	210, 249, 247
Decimal	13957586
CIE Lab	94.48, -19.04, 14.79
CIE LCh	94, 24.111, 142.162
Yxy	86.4016, 0.3120, 0.3710
Android (android.graphics.Color)	4292147666 (0xFFD4F9D2)
YUV	233.4910, -11.5811, -18.8476
Hunter-Lab	92.9525, -23.1354, 17.9802

Details

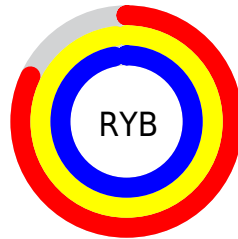
The XYZ color **72.6599, 86.4016, 73.8204** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.5069, 72.7094, 99.5237**, and the grayscale version is **77.9139, 81.9715, 89.2670**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6707, 47.2339, 38.0892** is the 20% darker color. If you saturate the color by 10%, you get **63.4771, 82.0012, 58.4374**, and if you desaturate by 10%, it is **83.3266, 91.5162, 91.7961**.

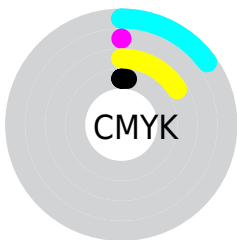
Distribution



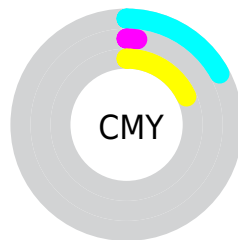
- Red (83%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)





- Cyan (17%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6599, 86.4016, 73.8204 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.6599, 86.4016, 73.8204 by changing the saturation by 10% instead.


 72.6599, 86.4016,
73.8204

 72.6599, 86.4016,
73.8204


458.9573,
516.2545, 493.0001

 53.9853, 65.0001,
54.1512


122.0000,
142.3298, 126.3729

 38.8205, 47.4612,
38.3285


153.3962,
177.6253, 160.0932

 26.8002, 33.4004,
25.9340


189.7637,
218.3209, 199.3343

 17.5591, 22.4333,
16.5489

231.4678,
264.8010, 244.5146

 10.7317, 14.1757,
9.7549

278.8738,
317.4500, 296.0529

 5.9526, 8.2429,
5.1333

332.3472,

 2.8567, 4.2508,

376.6523, 354.3675

2.2656

392.2532,
442.7924, 419.8771

■ 1.0784, 1.8148,
0.7118

■ 0.0070, 0.4964,
0.0000

■ 72.6599, 86.4016,
73.8204

■ 72.6599, 86.4016,
73.8204

■ 63.4771, 82.0012,
58.4374

■ 83.3266, 91.5162,
91.7961

■ 55.7058, 78.2727,
45.5221

■ 93.1674, 96.2348,
108.2725

■ 49.2781, 75.1865,
34.9479

■ 44.1177, 72.7063,
26.5747

■ 40.1408, 70.7920,
20.2473

■ 37.2532, 69.3990,
15.7903

■ 35.3466, 68.4760,
12.9992

■ 34.2902, 67.9608,
11.6210

■ 34.0399, 67.8386,
11.3001

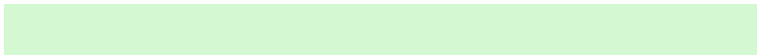
Harmonies

Analogous

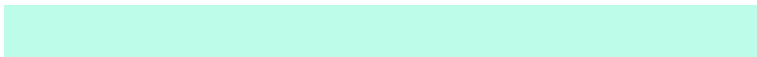
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5061, 86.4016, 64.7194



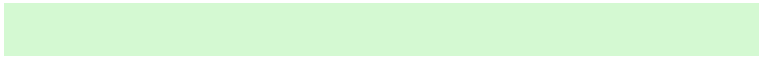
72.6599, 86.4016, 73.8204



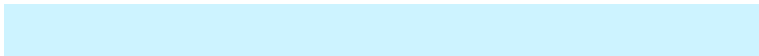
70.3746, 86.4016, 89.2885

Triad

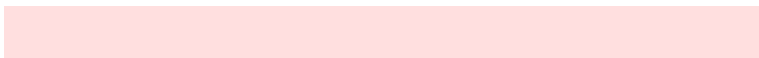
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6599, 86.4016, 73.8204



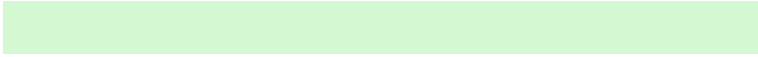
80.4328, 86.4016, 134.0889



94.2242, 86.4016, 81.2343

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.6599, 86.4016, 73.8204



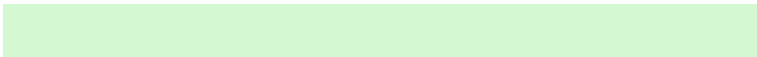
78.5069, 72.7094, 99.5237

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.1092, 86.4016, 99.0330



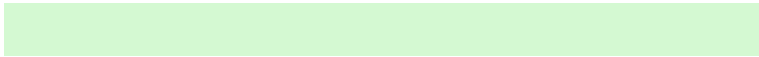
72.6599, 86.4016, 73.8204



86.9178, 86.4016, 131.1903

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



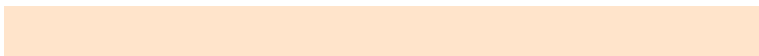
72.6599, 86.4016, 73.8204



74.7057, 86.4016, 125.2029



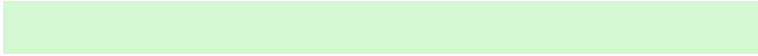
92.3721, 86.4016, 117.7359



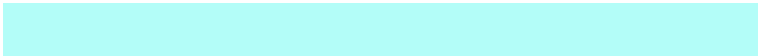
90.0139, 86.4016, 68.5907

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6599, 86.4016, 73.8204



70.5222, 86.4016, 101.8050



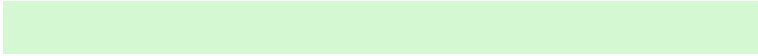
92.3721, 86.4016, 117.7359



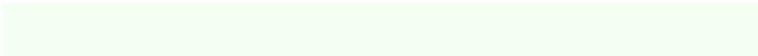
94.9291, 86.4016, 86.7497

Sweetspot

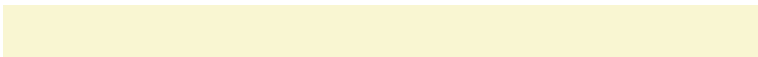
The Sweet Spot groups the original color and five complimentary colors.



72.6622, 86.4053, 73.8223



88.7534, 96.9834, 98.2433



83.7812, 90.9524, 74.1139



18.8145, 20.6711, 20.7199



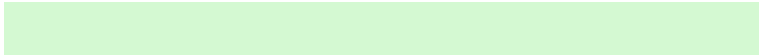
0.0000, 0.0000, 0.0000



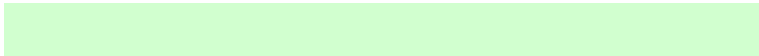
20.3446, 21.4041, 23.3091

Same Dimension

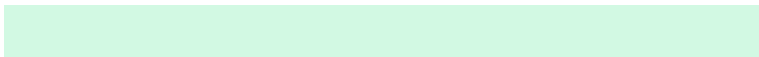
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6622, 86.4053, 73.8223



73.2714, 89.5632, 72.1691



74.3082, 86.9975, 85.4790



17.0997, 19.3516, 18.2964



18.2542, 36.3287, 6.0500



1.7187, 3.3791, 0.5617

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78.5069, 72.7094, 99.5237



80.5862, 72.4200, 104.3388



76.6963, 72.0671, 86.2895



17.9000, 17.4766, 21.8152



27.7497, 13.2482, 49.0681



2.5963, 1.2405, 4.5458

Previews

White Background



This preview shows how the XYZ color 72.6599, 86.4016, 73.8204 looks on a white background.

Color Contrast Check

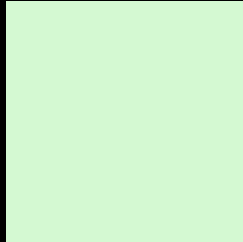
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 72.6599, 86.4016, 73.8204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

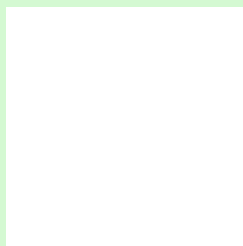
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6599, 86.4016, 73.8204

Background



This preview shows how black text looks on a background with the XYZ color 72.6599, 86.4016, 73.8204.



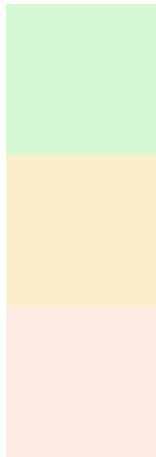
This preview shows how white text looks on a background with the XYZ color 72.6599, 86.4016,

73.8204.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.6599, 86.4016, 73.8204

Protanopia

81.2573, 86.0179, 69.4471

Deuteranopia

84.8135, 86.2227, 84.8455



Tritanopia

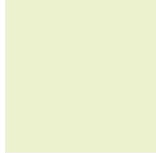
80.8693, 86.2993, 107.0029

Trichromacy



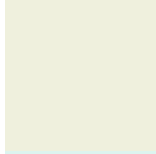
Original Color

72.6599, 86.4016, 73.8204



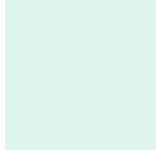
Protanomaly

77.8178, 85.9650, 70.8840



Deuteranomaly

79.8078, 85.8914, 80.7790



Tritanomaly

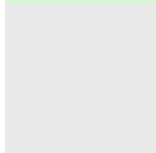
77.7495, 86.3055, 94.2222

Monochromacy



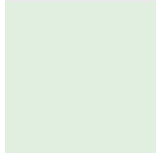
Original Color

72.6599, 86.4016, 73.8204



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.5084, 83.1768, 83.3092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6599, 86.4016, 73.8204 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(212, 249, 210)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 249, 210) }
```

Border

The CSS property to change the border of an element to XYZ 72.6599, 86.4016, 73.8204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 249, 210) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(212, 249, 210) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(212, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 249, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 249, 210);  
box-shadow:4px 4px 4px 4px rgb(212, 249,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6599, 86.4016, 73.8204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 249, 210) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
249, 210) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor