

Converting Colors

XYZ(72.7933, 84.7524, 84.2925)

Have a look what the booklet for
XYZ(72.7933, 84.7524, 84.2925)
contains.

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Color

**XYZ(72.9777, 84.9578,
84.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F6E2
RGB	209, 246, 226
RGB Percent	82%, 96%, 89%
CMY	0.1804, 0.0353, 0.1137
CMYK	0.15, 0.00, 0.08, 0.04
HSL	148°, 67%, 89%
HSV	148°, 15%, 96%
XYZ	72.9777, 84.9578, 84.5037
YIQ	232.6570, -15.6320, -14.0640

Conversions

Conversions Part 2

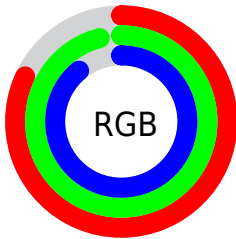
Format	Color
R _Y B	209, 234, 246
Decimal	13760226
CIE Lab	93.86, -15.71, 5.63
CIE LCh	94, 16.686, 160.293
Yxy	84.9578, 0.3010, 0.3504
Android (android.graphics.Color)	4291950306 (0xFFD1F6E2)
YUV	232.6570, -3.2819, -20.7472
Hunter-Lab	92.1726, -19.9744, 10.1638

Details

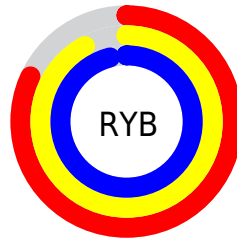
The XYZ color **72.9777, 84.9578, 84.5037** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9523, 70.8530, 83.8580**, and the grayscale version is **77.2285, 81.2504, 88.4817**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0906, 46.6372, 45.4697** is the 20% darker color. If you saturate the color by 10%, you get **64.7934, 80.9437, 74.9623**, and if you desaturate by 10%, it is **82.3830, 89.5897, 94.8447**.

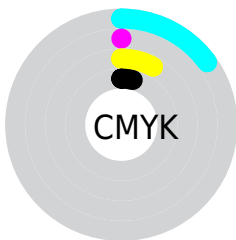
Distribution



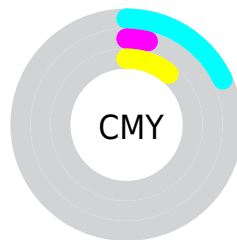
- Red (82%)
- Green (96%)
- Blue (89%)



- Red (82%)
- Yellow (92%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (18%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9777, 84.9578, 84.5037 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 72.9777, 84.9578, 84.5037 by changing the saturation by 10% instead.

72.9777, 84.9578,
84.5037

72.9777, 84.9578,
84.5037

460.0425,
511.4884, 530.0861

54.2460, 63.8065,
62.8836

122.4489,
140.3142, 141.5476

39.0299, 46.4940,
45.3066

153.9191,
175.2881, 177.8084

26.9638, 32.6358,
31.3543

190.3662,
215.6384, 219.7865

17.6825, 21.8476,
20.6081

232.1555,
261.7494, 267.9006

10.8206, 13.7450,
12.6494

279.6525,
314.0055, 322.5690

6.0127, 7.9435,
7.0597

333.2224,

2.8935, 4.0588,

372.7911, 384.2104

3.4204

393.2306,
438.4906, 453.2432

■ 1.0977, 1.7065,
1.3131

■ 0.0232, 0.4279,
0.0725

■ 72.9777, 84.9578,
84.5037

■ 72.9777, 84.9578,
84.5037

■ 64.7934, 80.9437,
74.9623

■ 82.3830, 89.5897,
94.8447

■ 57.7706, 77.5101,
66.1957

■ 91.8631, 94.2410,
105.9425

■ 51.8555, 74.6319,
58.1859

■ 92.2474, 94.3947,
107.9658

■ 46.9869, 72.2780,
50.9122

■ 43.0973, 70.4140,
44.3528

■ 40.1112, 69.0014,
38.4846

■ 37.9406, 67.9953,
33.2832

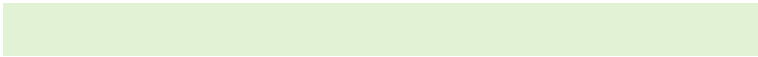
■ 36.4785, 67.3410,
28.7221

■ 35.9391, 67.1074,
26.6875

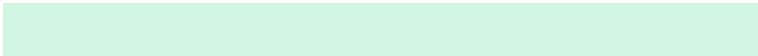
Harmonies

Analogous

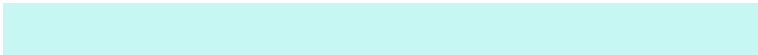
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3547, 84.9578, 75.0835



72.9777, 84.9578, 84.5037



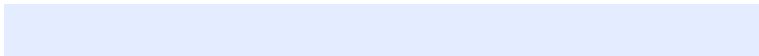
72.6393, 84.9578, 96.9417

Triad

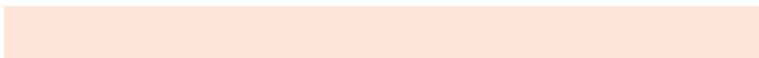
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9777, 84.9578, 84.5037



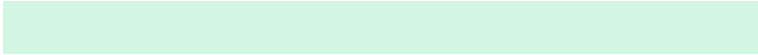
82.2846, 84.9578, 118.7016



87.4370, 84.9578, 77.5792

Complementary

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



72.9777, 84.9578, 84.5037



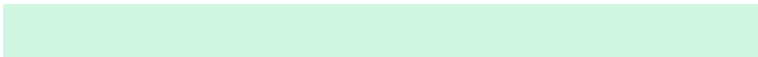
74.9523, 70.8530, 83.8580

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.



89.4427, 84.9578, 88.2050



72.9777, 84.9578, 84.5037



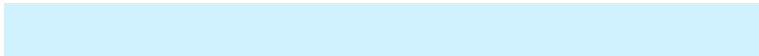
86.3966, 84.9578, 112.4313

Square

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



72.9777, 84.9578, 84.5037



77.9056, 84.9578, 117.4796



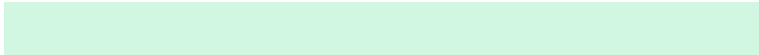
89.0551, 84.9578, 100.9952



83.6625, 84.9578, 71.3466

Rectangle

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



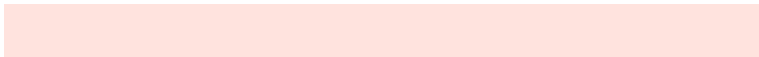
72.9777, 84.9578, 84.5037



73.6016, 84.9578, 105.3915



89.0551, 84.9578, 100.9952



88.3466, 84.9578, 80.7135

Sweetspot

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



72.9801, 84.9614, 84.5056



89.4238, 97.2255, 102.9478



76.8923, 87.2345, 73.1080



18.9771, 20.7298, 21.8598



0.0000, 0.0000, 0.0000



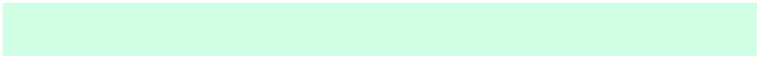
20.3446, 21.4041, 23.3091

Same Dimension

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



72.9801, 84.9614, 84.5056



76.3921, 90.8136, 88.5034



75.6050, 86.0114, 98.3285



16.5989, 18.5987, 19.1720



19.2510, 35.8452, 14.6075



1.7432, 3.1709, 1.5538

Inverse Universe

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



74.9523, 70.8530, 83.8580



78.9037, 72.8455, 87.6780



72.5481, 69.8913, 71.1974



16.8738, 16.6324, 19.0819



22.6170, 11.3902, 13.2233



2.0397, 1.0218, 1.4353

Previews

White Background



This preview shows how the XYZ color 72.9777, 84.9578, 84.5037 looks on a white background.

Color Contrast Check

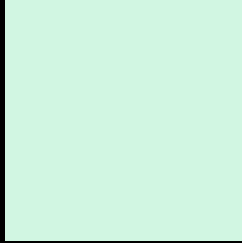
Large Text (above 18pt) WCAG AA × Fail

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 72.9777, 84.9578, 84.5037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

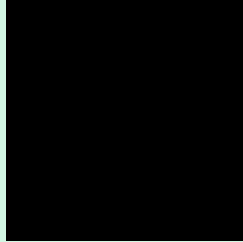
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

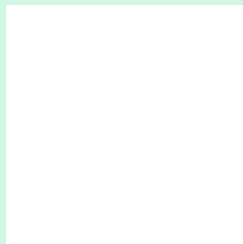
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9777, 84.9578, 84.5037

Background



This preview shows how black text looks on a background with the XYZ color 72.9777, 84.9578, 84.5037.

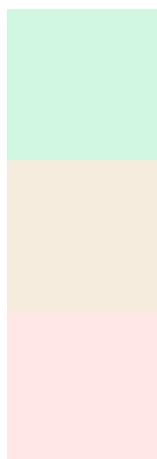


This preview shows how white text looks on a background with the XYZ color 72.9777, 84.9578,

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

72.9777, 84.9578, 84.5037

Protanopia

80.7028, 84.6238, 80.4872

Deuteranopia

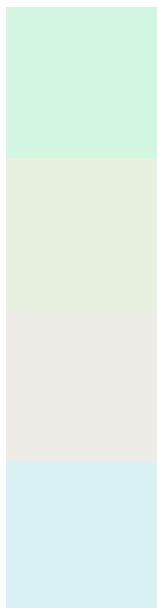
84.3814, 84.2380, 88.1561



Tritanopia

78.7253, 84.7558, 106.8180

Trichromacy



Original Color

72.9777, 84.9578, 84.5037

Protanomaly

77.7581, 84.8037, 82.0825

Deuteranomaly

79.5383, 83.8812, 86.8615

Tritanomaly

76.4002, 84.6348, 97.8974

Monochromacy



Original Color

72.9777, 84.9578, 84.5037

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.5979, 82.7095, 86.8430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9777, 84.9578, 84.5037 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(209, 246, 226)` looks like.

```
.text, #text, p{  
    color:rgb(209, 246, 226)  
}
```

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(209, 246, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.9777, 84.9578, 84.5037 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(209, 246, 226) }
```


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

```
.border{ border-color:rgb(209, 246, 226) }
```

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

Here you see how a box with a 4 pixel rgb(209, 246, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9777, 84.9578, 84.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 246, 226) }
```

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

```
.background{ background-color: rgb(209,  
246, 226) }
```

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](#).

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