

Converting Colors

XYZ(71.6788, 85.9101, 73.1260)

Have a look what the booklet for
XYZ(71.6788, 85.9101, 73.1260)
contains.

XYZ(71.6788, 85.9101, 73.1260)	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(71.6788, 85.9101,
73.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F9D1
RGB	209, 249, 209
RGB Percent	82%, 98%, 82%
CMY	0.1804, 0.0235, 0.1804
CMYK	0.16, 0.00, 0.16, 0.02
HSL	120°, 77%, 90%
HSV	120°, 16%, 98%
XYZ	71.6788, 85.9101, 73.1260
YIQ	232.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

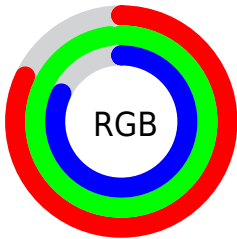
Format	Color
R _Y B	209, 249, 249
Decimal	13760977
CIE Lab	94.27, -20.20, 14.98
CIE LCh	94, 25.152, 143.443
Yxy	85.9101, 0.3107, 0.3724
Android (android.graphics.Color)	4291951057 (0xFFD1F9D1)
YUV	232.4800, -11.5756, -20.5920
Hunter-Lab	92.6877, -24.1629, 18.1045

Details

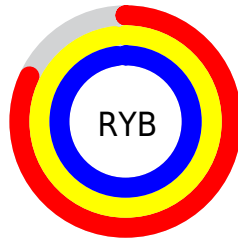
The XYZ color **71.6788, 85.9101, 73.1260** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.9693, 72.5822, 99.4742**, and the grayscale version is **77.1534, 81.1714, 88.3956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0925, 46.9359, 38.0622** is the 20% darker color. If you saturate the color by 10%, you get **62.3311, 81.4225, 57.8342**, and if you desaturate by 10%, it is **82.6141, 91.1654, 91.0107**.

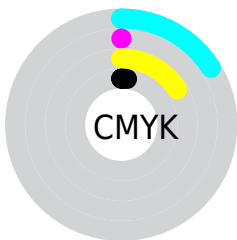
Distribution



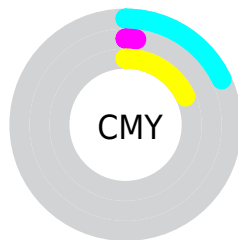
- Red (82%)
- Green (98%)
- Blue (82%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6788, 85.9101, 73.1260 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 71.6788, 85.9101, 73.1260 by changing the saturation by 10% instead.

71.6788, 85.9101,
73.1260

71.6788, 85.9101,
73.1260

455.5978,
514.6347, 490.5339

53.1809, 64.5936,
53.5865

120.6130,
141.6440, 125.3786

38.1752, 47.1316,
37.8803

151.7800,
176.8303, 158.9289

26.2965, 33.1397,
25.5887

187.9008,
217.4086, 197.9865

17.1795, 22.2335,
16.2932

229.3406,
263.7633, 242.9701

10.4586, 14.0286,
9.5753

276.4649,
316.2789, 294.2980

5.7687, 8.1405,
5.0164

329.6389,

2.7442, 4.1850,

375.3398, 352.3889

2.1980

389.2281,
441.3302, 417.6614

■ 1.0200, 1.7776,
0.6732

■ 0.0000, 0.4731,
0.0000

■ 71.6788, 85.9101,
73.1260

■ 71.6788, 85.9101,
73.1260

■ 62.3311, 81.4225,
57.8342

■ 82.6141, 91.1654,
91.0107

■ 54.4907, 77.6563,
45.0099

■ 93.1673, 96.2347,
108.2724

■ 48.0809, 74.5773,
34.5253

■ 43.0152, 72.1441,
26.2395

■ 39.1982, 70.3106,
19.9961

■ 36.5217, 69.0249,
15.6181

■ 34.8592, 68.2263,
12.8986

■ 34.0537, 67.8394,
11.5809

■ 33.8774, 67.7547,
11.2925

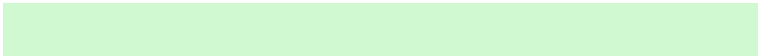
Harmonies

Analogous

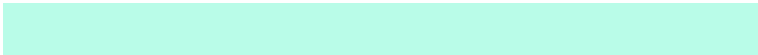
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6057, 85.9101, 63.4482



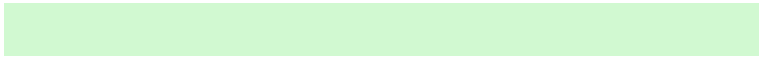
71.6788, 85.9101, 73.1260



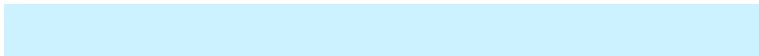
69.4422, 85.9101, 89.3659

Triad

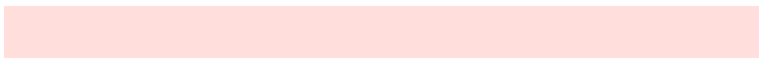
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6788, 85.9101, 73.1260



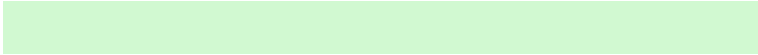
80.1837, 85.9101, 135.4825



94.1344, 85.9101, 79.5358

Complementary

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



71.6788, 85.9101, 73.1260



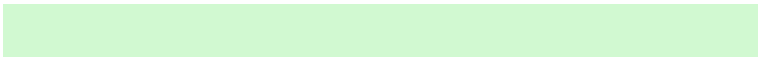
78.9693, 72.5822, 99.4742

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.



95.2218, 85.9101, 97.8452



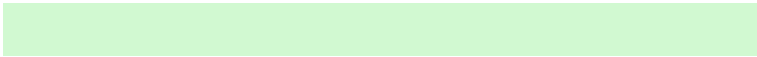
71.6788, 85.9101, 73.1260



86.9213, 85.9101, 131.9026

Square

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



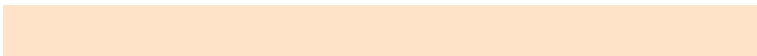
71.6788, 85.9101, 73.1260



74.1749, 85.9101, 126.6432



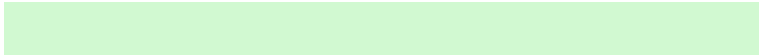
92.5163, 85.9101, 117.4417



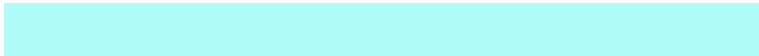
89.6218, 85.9101, 66.7775

Rectangle

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



71.6788, 85.9101, 73.1260



69.6851, 85.9101, 102.4402



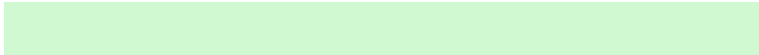
92.5163, 85.9101, 117.4417



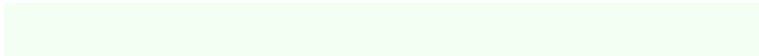
94.9226, 85.9101, 85.1737

Sweetspot

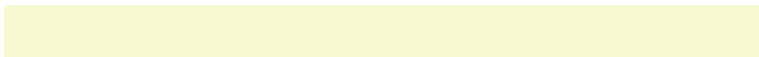
The Sweet Spot groups the original color and five complimentary colors.



71.6811, 85.9138, 73.1279



88.5284, 96.8674, 98.2328



84.4550, 92.4989, 73.7254



18.7601, 20.6430, 20.7174



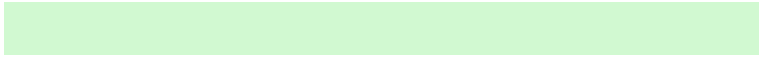
0.0000, 0.0000, 0.0000



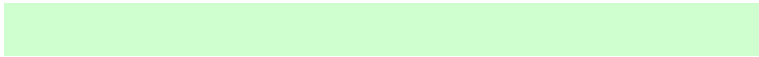
20.3446, 21.4041, 23.3091

Same Dimension

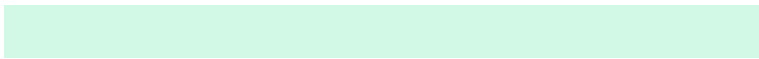
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6811, 85.9138, 73.1279



72.5742, 89.2037, 72.1368



74.3156, 86.9675, 87.0008



17.0175, 19.3093, 18.2926



18.1331, 36.2663, 6.0444



1.6794, 3.3589, 0.5598

Inverse Universe

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



78.9693, 72.5822, 99.4742



81.4939, 72.8879, 104.3808



76.0130, 71.3997, 83.9064



17.9931, 17.5246, 21.8195



30.0644, 14.4415, 49.1751



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 71.6788, 85.9101, 73.1260 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 71.6788, 85.9101, 73.1260 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

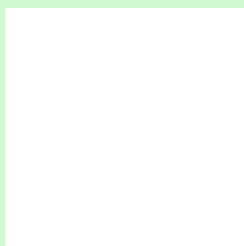
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6788, 85.9101, 73.1260

Background



This preview shows how black text looks on a background with the XYZ color 71.6788, 85.9101, 73.1260.



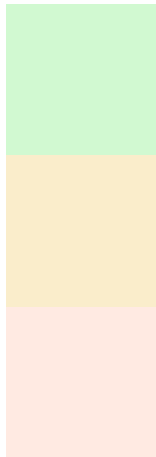
This preview shows how white text looks on a background with the XYZ color 71.6788, 85.9101,

73.1260.

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

71.6788, 85.9101, 73.1260

Protanopia

80.4880, 85.2042, 68.7038

Deuteranopia

84.3903, 85.5966, 84.0255



Tritanopia

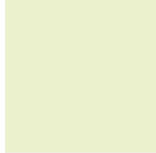
79.9367, 85.8186, 106.9593

Trichromacy



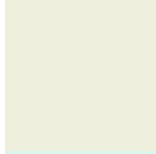
Original Color

71.6788, 85.9101, 73.1260



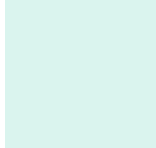
Protanomaly

76.7357, 84.9805, 70.1161



Deuteranomaly

79.0447, 85.0775, 79.9656



Tritanomaly

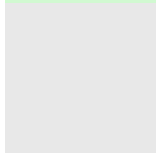
76.6967, 85.7798, 93.4037

Monochromacy



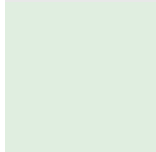
Original Color

71.6788, 85.9101, 73.1260



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.7696, 82.3782, 82.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6788, 85.9101, 73.1260 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, 249, 209)` looks like.

```
.text, #text, p{  
    color:rgb(209, 249, 209)  
}
```

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, 249, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 249, 209) }
```

Border

The CSS property to change the border of an element to XYZ 71.6788, 85.9101, 73.1260 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, 249, 209) }
```


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

```
.border{ border-color:rgb(209, 249, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 249, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 249, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 249, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 249,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6788, 85.9101, 73.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 249, 209) }
```

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

```
.background{ background-color: rgb(209,  
249, 209) }
```

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