

Converting Colors

XYZ(50.1730, 70.2116, 73.1358)

Have a look what the booklet for
XYZ(50.1730, 70.2116, 73.1358)
contains.

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Color

**XYZ(50.2214, 70.3380,
73.2170)**

Conversions

Conversions Part 1

Format	Color
Hex	76EFD4
RGB	118, 239, 212
RGB Percent	46%, 94%, 83%
CMY	0.5372, 0.0627, 0.1686
CMYK	0.51, 0.00, 0.11, 0.06
HSL	167°, 79%, 70%
HSV	167°, 51%, 94%
XYZ	50.2214, 70.3380, 73.2170
YIQ	199.7430, -63.4490, -34.0490

Conversions

Conversions Part 2

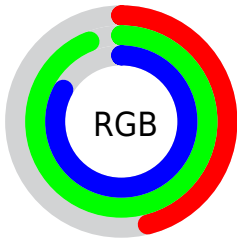
Format	Color
RYB	118, 186, 239
Decimal	7794644
CIELab	87.16, -40.44, 2.65
CIElCh	87, 40.530, 176.255
Yxy	70.3380, 0.2592, 0.3630
Android (android.graphics.Color)	4285984724 (0xFF76EFD4)
YUV	199.7430, 6.0427, -71.6886
Hunter-Lab	83.8678, -39.8798, 6.9469

Details

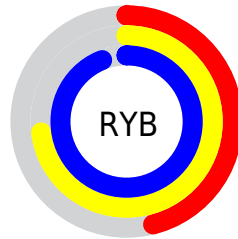
The XYZ color **50.2214, 70.3380, 73.2170** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.1883, 33.3539, 30.7416**, and the grayscale version is **54.7354, 57.5859, 62.7110**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **24.3351, 36.6745, 37.6946** is the 20% darker color. If you saturate the color by 10%, you get **46.7164, 68.6093, 69.5997**, and if you desaturate by 10%, it is **54.5748, 72.5050, 76.9931**.

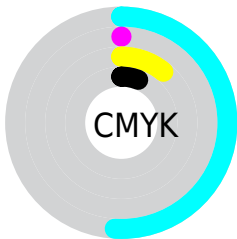
Distribution



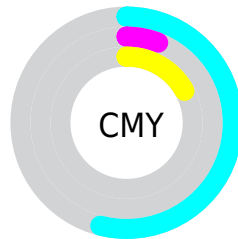
- Red (46%)
- Green (94%)
- Blue (83%)



- Red (46%)
- Yellow (73%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)





- Cyan (54%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2214, 70.3380, 73.2170 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 50.2214, 70.3380, 73.2170 by changing the saturation by 10% instead.


 50.2214, 70.3380,
73.2170


 50.2214, 70.3380,
73.2170


377.9688,
461.7359, 490.8575


 35.8079, 51.8021,
53.6605


 89.6927, 119.6906,
125.5090

 24.4553, 36.8474,
37.9390


 115.4811,
151.2762, 159.0816

 15.7982, 25.0893,
25.6339


 145.7920,
187.9805, 198.1633

 9.4714, 16.1436,
16.3266

180.9905,
230.1878, 243.1727

 5.1095, 9.6259,
9.5987

221.4421,
278.2826, 294.5282

 2.3471, 5.1516,
5.0316

267.5121,

 0.8186, 2.3365,

332.6493, 352.6485

2.2068

319.5659,
393.6723, 417.9521

■ 0.0000, 0.7929,
0.6783

■ 0.0000, 0.0000,
0.0000

■ 50.2214, 70.3380,
73.2170

■ 50.2214, 70.3380,
73.2170

■ 46.7164, 68.6093,
69.5997

■ 54.5748, 72.5050,
76.9931

■ 43.9902, 67.2778,
66.1323


■ 59.8275, 75.1312,
80.9268


■ 41.9720, 66.3088,
62.8119


■ 66.0334, 78.2462,
85.0234


■ 40.5749, 65.6575,
59.6332


■ 73.2405, 81.8747,
89.2861


 39.6953, 65.2664,
56.7750

 81.4933, 86.0397,
93.7180

 88.4373, 89.5272,
98.2100

 89.2592, 89.8560,
102.5379

 90.1047, 90.1942,
106.9902

 90.1577, 90.2154,
107.2692

Harmonies

Analogous

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



52.7765, 70.3380, 51.0293



50.2214, 70.3380, 73.2170



51.7631, 70.3380, 102.1587

Triad

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



50.2214, 70.3380, 73.2170



75.2713, 70.3380, 133.7883



77.5319, 70.3380, 40.7802

Complementary

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



50.2214, 70.3380, 73.2170



47.1883, 33.3539, 30.7416

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.



84.6255, 70.3380, 55.6825



50.2214, 70.3380, 73.2170



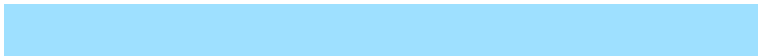
83.2359, 70.3380, 109.5056

Square

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



50.2214, 70.3380, 73.2170



65.6672, 70.3380, 141.6079



86.8051, 70.3380, 80.0571



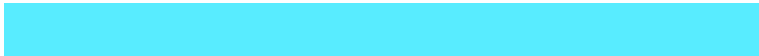
68.0554, 70.3380, 35.3222

Rectangle

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



50.2214, 70.3380, 73.2170



54.9939, 70.3380, 120.9757



86.8051, 70.3380, 80.0571



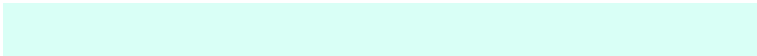
80.3077, 70.3380, 44.6487

Sweetspot

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



50.2234, 70.3408, 73.2186



81.0069, 92.9158, 101.2278



46.0343, 69.1763, 28.0670



16.9634, 19.6988, 21.4437



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.



50.2234, 70.3408, 73.2186



53.9113, 79.3806, 80.3905



45.3017, 54.5826, 89.8123



16.0876, 17.8651, 19.4841



21.9873, 36.0869, 31.6457



1.8658, 3.0168, 2.8257

Inverse Universe

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



47.1883, 33.3539, 30.7416



50.0590, 31.9950, 26.1510



49.8179, 41.5588, 22.5369



15.9172, 15.8166, 17.1203



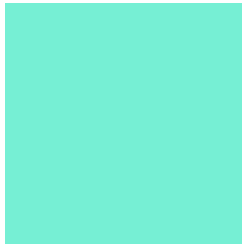
20.0712, 10.3009, 3.0257



1.7061, 0.8715, 0.4430

Previews

White Background



This preview shows how the XYZ color 50.2214, 70.3380, 73.2170 looks on a white background.

Color Contrast Check

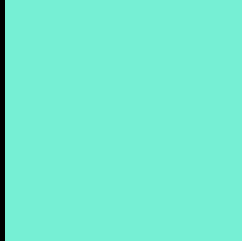
Large Text (above 18pt) WCAG AA × Fail

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 50.2214, 70.3380, 73.2170 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

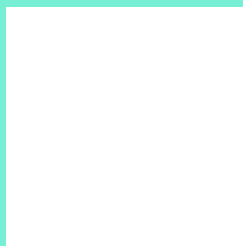
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2214, 70.3380, 73.2170

Background



This preview shows how black text looks on a background with the XYZ color 50.2214, 70.3380, 73.2170.



This preview shows how white text looks on a background with the XYZ color 50.2214, 70.3380,

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

50.2214, 70.3380, 73.2170

Protanopia

66.0325, 69.2894, 64.5375

Deuteranopia

70.6265, 69.1597, 75.9564



Tritanopia

55.9155, 70.0519, 102.6698

Trichromacy



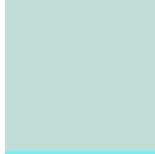
Original Color

50.2214, 70.3380, 73.2170



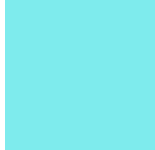
Protanomaly

57.8044, 68.1100, 67.2267



Deuteranomaly

60.4993, 68.1401, 74.9295



Tritanomaly

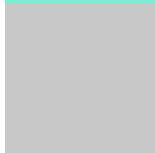
53.5986, 69.9667, 90.8007

Monochromacy



Original Color

50.2214, 70.3380, 73.2170



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.5232, 60.9988, 66.1851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2214, 70.3380, 73.2170 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(118, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(118, 239, 212)  
}
```

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(118, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 239, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.2214, 70.3380, 73.2170 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(118, 239, 212) }
```


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

```
.border{ border-color:rgb(118, 239, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(118, 239,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2214, 70.3380, 73.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 239, 212) }
```

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

```
.background{ background-color: rgb(118,  
239, 212) }
```

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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