

Converting Colors

XYZ(51.9042, 71.6166, 68.5540)

Have a look what the booklet for
XYZ(51.9042, 71.6166, 68.5540)
contains.

XYZ(52.0110, 71.7963, 68.8744)	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(52.0110, 71.7963,
68.8744)**

Conversions

Conversions Part 1

Format	Color
Hex	86F0CD
RGB	134, 240, 205
RGB Percent	53%, 94%, 80%
CMY	0.4745, 0.0588, 0.1961
CMYK	0.44, 0.00, 0.15, 0.06
HSL	160°, 78%, 73%
HSV	160°, 44%, 94%
XYZ	52.0110, 71.7963, 68.8744
YIQ	204.3160, -51.9410, -33.3570

Conversions

Conversions Part 2

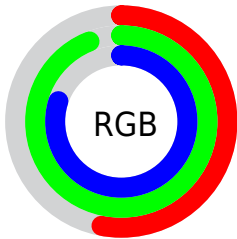
Format	Color
RYB	134, 197, 240
Decimal	8843469
CIELab	87.87, -38.75, 7.40
CIELCh	88, 39.451, 169.184
Yxy	71.7963, 0.2699, 0.3726
Android (android.graphics.Color)	4287033549 (0xFF86F0CD)
YUV	204.3160, 0.3372, -61.6671
Hunter-Lab	84.7327, -38.7146, 11.1194

Details

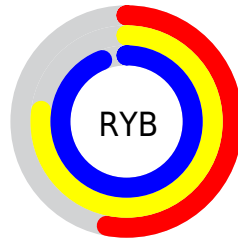
The XYZ color **52.0110, 71.7963, 68.8744** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.6241, 38.4417, 42.2378**, and the grayscale version is **57.6174, 60.6180, 66.0130**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **25.4999, 37.6378, 35.1990** is the 20% darker color. If you saturate the color by 10%, you get **47.6789, 69.6726, 63.8047**, and if you desaturate by 10%, it is **57.2635, 74.3926, 74.2433**.

Distribution



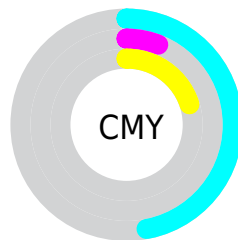
- Red (53%)
- Green (94%)
- Blue (80%)



- Red (53%)
- Yellow (77%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (47%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0110, 71.7963, 68.8744 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 52.0110, 71.7963, 68.8744 by changing the saturation by 10% instead.


 52.0110, 71.7963,
68.8744


 52.0110, 71.7963,
68.8744


384.8023,
466.8323, 475.2698


 37.2381, 52.9923,
50.1383


 92.3216, 121.7669,
119.2682

 25.5665, 37.7966,
35.1514


 118.5900,
153.7022, 151.7629

 16.6306, 25.8249,
23.4950


 149.4211,
190.7835, 189.6810

 10.0651, 16.6927,
14.7507

185.1800,
233.3951, 233.4409

 5.5047, 10.0156,
8.4999

226.2323,
281.9213, 283.4612

 2.5841, 5.4093,
4.3242

272.9432,

 0.9379, 2.4894,

336.7467, 340.1604

1.8048

325.6781,
398.2556, 403.9571

0.0000, 0.8713,
0.4311

0.0000, 0.0000,
0.0000

52.0110, 71.7963,
68.8744

52.0110, 71.7963,
68.8744

47.6789, 69.6726,
63.8047

57.2635, 74.3926,
74.2433

44.2011, 67.9820,
59.0227


63.4851, 77.4809,
79.9126


41.5118, 66.6924,
54.5231


70.7279, 81.0899,
85.8899


39.5328, 65.7637,
50.2983


79.0385, 85.2435,
92.1808

 38.1683, 65.1465,
46.3400

 88.4608, 89.9644,
98.7908

 37.5727, 64.8873,
44.1484

 90.0598, 90.6461,
105.3050

 90.4514, 90.8028,
107.3671

Harmonies

Analogous

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



55.4783, 71.7963, 49.0346



52.0110, 71.7963, 68.8744



52.5815, 71.7963, 96.4088

Triad

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



52.0110, 71.7963, 68.8744



74.3412, 71.7963, 137.8232



80.7232, 71.7963, 45.2315

Complementary

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



52.0110, 71.7963, 68.8744



51.6241, 38.4417, 42.2378

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.



86.7347, 71.7963, 62.3969



52.0110, 71.7963, 68.8744



82.8230, 71.7963, 117.0377

Square

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



52.0110, 71.7963, 68.8744



64.9107, 71.7963, 140.6902



87.5365, 71.7963, 88.2751



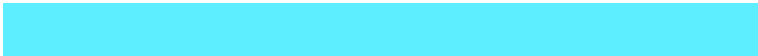
71.6817, 71.7963, 37.6173

Rectangle

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



52.0110, 71.7963, 68.8744



55.1911, 71.7963, 115.5685



87.5365, 71.7963, 88.2751



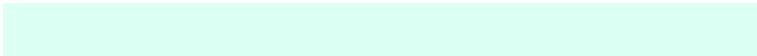
83.1994, 71.7963, 49.8653

Sweetspot

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



52.0130, 71.7992, 68.8760



82.1756, 93.5608, 99.3586



51.8991, 72.5164, 33.8169



17.1663, 19.8149, 20.9332



0.0000, 0.0000, 0.0000



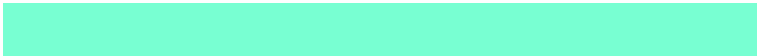
20.3446, 21.4041, 23.3091

Same Dimension

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



52.0130, 71.7992, 68.8760



55.1643, 80.1741, 73.7841



51.7718, 63.7821, 92.0240



16.0125, 17.8350, 19.0888



20.6310, 35.5444, 24.5037



1.7621, 2.9753, 2.2794

Inverse Universe

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



51.6241, 38.4417, 42.2378



54.6825, 37.3545, 39.6765



51.4146, 42.5967, 28.0674



15.9880, 15.8449, 17.4932



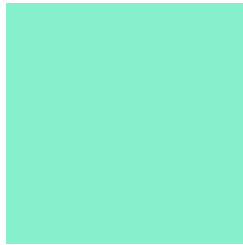
20.5037, 10.4739, 5.3033



1.7500, 0.8890, 0.6744

Previews

White Background



This preview shows how the XYZ color 52.0110, 71.7963, 68.8744 looks on a white background.

Color Contrast Check

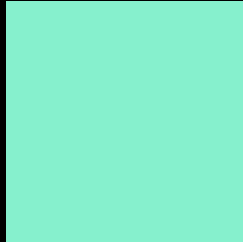
Large Text (above 18pt) WCAG AA × Fail

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 52.0110, 71.7963, 68.8744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

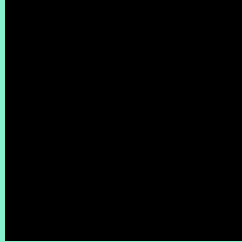
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

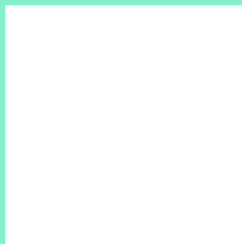
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.0110, 71.7963, 68.8744

Background



This preview shows how black text looks on a background with the XYZ color 52.0110, 71.7963, 68.8744.

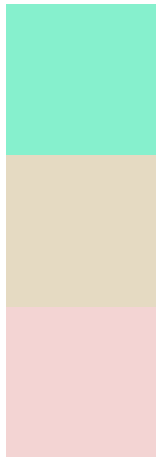


This preview shows how white text looks on a background with the XYZ color 52.0110, 71.7963,

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

52.0110, 71.7963, 68.8744

Protanopia

67.1221, 70.6959, 61.1469

Deuteranopia

72.2635, 70.8448, 71.4937



Tritanopia

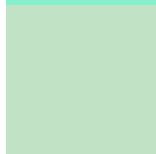
58.5637, 71.4171, 102.7937

Trichromacy



Original Color

52.0110, 71.7963, 68.8744



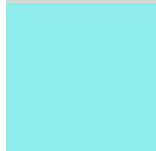
Protanomaly

59.6375, 69.9393, 63.7825



Deuteranomaly

62.2585, 69.5425, 70.4633



Tritanomaly

56.1462, 71.7398, 89.4852

Monochromacy



Original Color

52.0110, 71.7963, 68.8744



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.3023, 63.5690, 66.5348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0110, 71.7963, 68.8744 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(134, 240, 205)` looks like.

```
.text, #text, p{  
    color:rgb(134, 240, 205)  
}
```

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(134, 240, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 240, 205) }
```

Border

The CSS property to change the border of an element to XYZ 52.0110, 71.7963, 68.8744 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(134, 240, 205) }
```


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

```
.border{ border-color:rgb(134, 240, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 240, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(134, 240,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0110, 71.7963, 68.8744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 240, 205) }
```

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

```
.background{ background-color: rgb(134,  
240, 205) }
```

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