

Converting Colors

XYZ(52.6570, 77.9415, 71.4692)

Have a look what the booklet for
XYZ(52.6570, 77.9415, 71.4692)
contains.

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Color

**XYZ(52.6944, 78.0068,
71.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFDCF
RGB	109, 253, 207
RGB Percent	43%, 99%, 81%
CMY	0.5725, 0.0078, 0.1882
CMYK	0.57, 0.00, 0.18, 0.01
HSL	161°, 97%, 71%
HSV	161°, 57%, 99%
XYZ	52.6944, 78.0068, 71.3110
YIQ	204.7000, -71.0580, -44.8340

Conversions

Conversions Part 2

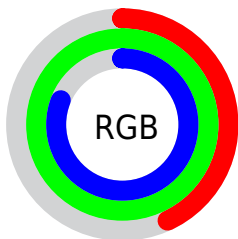
Format	Color
RYB	109, 195, 253
Decimal	7208399
CIELab	90.78, -49.52, 10.42
CIELCh	91, 50.606, 168.113
Yxy	78.0068, 0.2608, 0.3861
Android (android.graphics.Color)	4285398479 (0xFF6DFDCF)
YUV	204.7000, 1.1339, -83.9289
Hunter-Lab	88.3215, -48.0658, 13.9541

Details

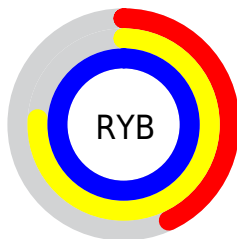
The XYZ color **52.6944, 78.0068, 71.3110** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.8956, 34.1883, 34.8769**, and the grayscale version is **57.8649, 60.8784, 66.2966**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **25.9246, 41.6702, 36.8138** is the 20% darker color. If you saturate the color by 10%, you get **49.0558, 76.2443, 66.1150**, and if you desaturate by 10%, it is **57.2834, 80.2574, 76.8190**.

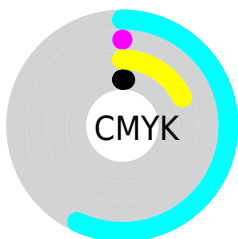
Distribution



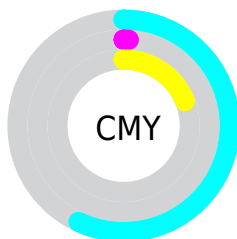
- Red (43%)
- Green (99%)
- Blue (81%)



- Red (43%)
- Yellow (76%)
- Blue (99%)



- Cyan (57%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (57%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6944, 78.0068, 71.3110 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 52.6944, 78.0068, 71.3110 by changing the saturation by 10% instead.


 52.6944, 78.0068,
71.3110

 52.6944, 78.0068,
71.3110

387.3916,
488.1899, 484.0528


 37.7854, 58.0796,
52.1126


 93.3227, 130.5597,
122.7750

 25.9926, 41.8726,
36.7120


 119.7727,
163.9542, 155.8778

 16.9508, 29.0016,
24.6906

 150.8004,
202.6065, 194.4524

 10.2945, 19.0820,
15.6297

186.7711,
246.9011, 238.9175

 5.6584, 11.7295,
9.1110

228.0502,
297.2223, 289.6915

 2.6772, 6.5598,
4.7159

275.0031,

 0.9854, 3.1884,

353.9546, 347.1931

2.0257

327.9951,
417.4823, 411.8406

0.0000, 1.2308,
0.5710

0.0000, 0.0867,
0.0000

52.6944, 78.0068,
71.3110

52.6944, 78.0068,
71.3110

49.0558, 76.2443,
66.1150

57.2834, 80.2574,
76.8190

46.2812, 74.9194,
61.2179

62.8868, 83.0230,
82.6407

44.2789, 73.9871,
56.6132

69.5705, 86.3395,
88.7846

42.9300, 73.3860,
52.2911

77.3927, 90.2368,
95.2571

■ 42.5903, 73.2388,
51.0120

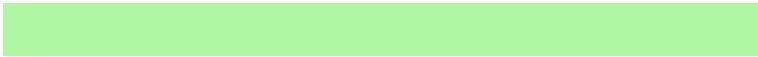
■ 86.4075, 94.7428,
102.0644

■ 94.4167, 98.7334,
108.6889

Harmonies

Analogous

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



57.3864, 78.0068, 46.2307



52.6944, 78.0068, 71.3110



53.2438, 78.0068, 108.6247

Triad

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



52.6944, 78.0068, 71.3110



82.0091, 78.0068, 170.4093



91.6991, 78.0068, 42.7366

Complementary

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



52.6944, 78.0068, 71.3110



51.8956, 34.1883, 34.8769

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.



99.9003, 78.0068, 64.9692



52.6944, 78.0068, 71.3110



93.8803, 78.0068, 140.8051

Square

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



52.6944, 78.0068, 71.3110



69.2190, 78.0068, 173.5606



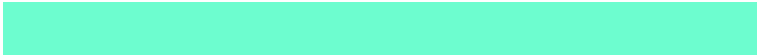
100.7413, 78.0068, 100.1949



79.2954, 78.0068, 33.1811

Rectangle

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



52.6944, 78.0068, 71.3110



56.5182, 78.0068, 135.9141



100.7413, 78.0068, 100.1949



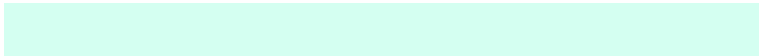
95.0971, 78.0068, 48.6262

Sweetspot

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



52.6966, 78.0099, 71.3128



78.7104, 91.8250, 96.9132



51.7926, 78.5261, 26.8964



16.4847, 19.4734, 20.4543



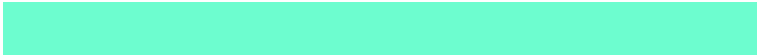
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.6966, 78.0099, 71.3128



49.5843, 77.4477, 66.7378



52.0580, 66.3846, 103.0020



18.2934, 20.3769, 21.8483



22.7249, 38.9866, 27.5005



2.2625, 3.8159, 2.9400

Inverse Universe

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



51.8956, 34.1883, 34.8769



48.7422, 29.0404, 26.7011



51.6582, 38.7638, 19.2286



18.2485, 18.0827, 19.9256



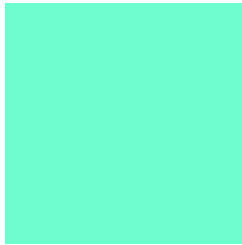
22.3937, 11.4468, 5.4577



2.2277, 1.1334, 0.7804

Previews

White Background



This preview shows how the XYZ color 52.6944, 78.0068, 71.3110 looks on a white background.

Color Contrast Check

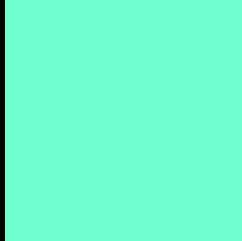
Large Text (above 18pt) WCAG AA × Fail

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 52.6944, 78.0068, 71.3110 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 52.6944, 78.0068, 71.3110

Background



This preview shows how black text looks on a background with the XYZ color 52.6944, 78.0068, 71.3110.

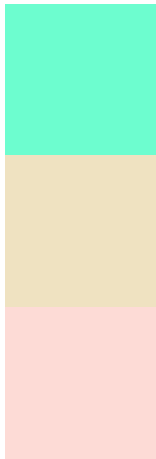


This preview shows how white text looks on a background with the XYZ color 52.6944, 78.0068,

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

52.6944, 78.0068, 71.3110

Protanopia

72.4186, 76.5937, 61.4193

Deuteranopia

77.9771, 76.4007, 74.2553



Tritanopia

64.3143, 77.3267, 106.1436

Trichromacy



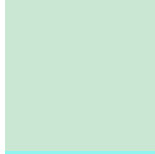
Original Color

52.6944, 78.0068, 71.3110



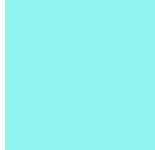
Protanomaly

61.9267, 75.2746, 64.6916



Deuteranomaly

64.4212, 74.2725, 72.5687



Tritanomaly

59.4127, 77.3175, 92.6813

Monochromacy



Original Color

52.6944, 78.0068, 71.3110



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.8394, 65.2448, 68.1484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6944, 78.0068, 71.3110 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(109, 253, 207)` looks like.

```
.text, #text, p{  
    color:rgb(109, 253, 207)  
}
```

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(109, 253, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 253, 207) }
```

Border

The CSS property to change the border of an element to XYZ 52.6944, 78.0068, 71.3110 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(109, 253, 207) }
```


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

```
.border{ border-color:rgb(109, 253, 207) }
```

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

Here you see how a box with a 4 pixel rgb(109, 253, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 253, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 253, 207);  
box-shadow:4px 4px 4px 4px rgb(109, 253,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6944, 78.0068, 71.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 253, 207) }
```

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

```
.background{ background-color: rgb(109,  
253, 207) }
```

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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