

Converting Colors

XYZ(41.7705, 52.3899, 65.1519)

Have a look what the booklet for
XYZ(41.7705, 52.3899, 65.1519)
contains.

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Color

**XYZ(41.6979, 52.2912,
65.0222)**

Conversions

Conversions Part 1

Format	Color
Hex	82CCCC
RGB	130, 204, 204
RGB Percent	51%, 80%, 80%
CMY	0.4902, 0.2000, 0.2000
CMYK	0.36, 0.00, 0.00, 0.20
HSL	180°, 42%, 65%
HSV	180°, 36%, 80%
XYZ	41.6979, 52.2912, 65.0222
YIQ	181.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

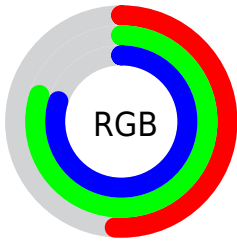
Format	Color
R _{YB}	130, 167, 204
Decimal	8572108
CIE Lab	77.45, -22.90, -7.29
CIE LCh	77, 24.032, 197.665
Yxy	52.2912, 0.2622, 0.3289
Android (android.graphics.Color)	4286762188 (0xFF82CCCC)
YUV	181.8740, 10.9081, -45.4935
Hunter-Lab	72.3127, -23.6181, -2.6936

Details

The XYZ color **41.6979, 52.2912, 65.0222** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9156, 30.4160, 25.0463**, and the grayscale version is **44.3559, 46.6658, 50.8191**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **19.3130, 25.5106, 32.7603** is the 20% darker color. If you saturate the color by 10%, you get **38.8740, 50.8367, 64.8908**, and if you desaturate by 10%, it is **45.1452, 54.0696, 65.1851**.

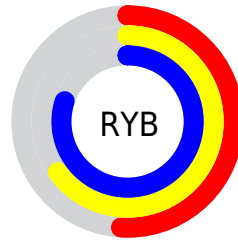
Distribution



Red (51%)

Green (80%)

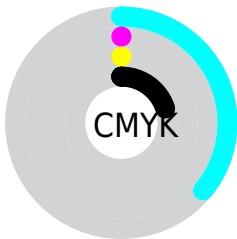
Blue (80%)



Red (51%)

Yellow (65%)

Blue (80%)

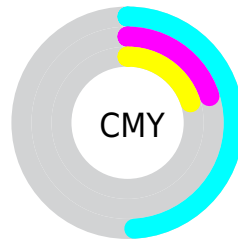


Cyan (36%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (49%)

Magenta (20%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6979, 52.2912, 65.0222 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 41.6979, 52.2912, 65.0222 by changing the saturation by 10% instead.

■ 41.6979, 52.2912,
65.0222

■ 41.6979, 52.2912,
65.0222

344.2421,
395.5598, 461.1801

■ 29.0549, 37.2372,
47.0276

■ 77.0102, 93.5606,
113.6954

■ 19.2668, 25.3912,
32.7030

■ 100.4103,
120.5447, 145.2110

■ 11.9684, 16.3688,
21.6298

■ 128.1267,
152.2745, 182.0708

■ 6.7942, 9.7855,
13.3894

160.5249,
189.1341, 224.6932

■ 3.3789, 5.2570,
7.5634

197.9701,
231.5080, 273.4968

■ 1.3572, 2.3988,
3.7331

240.8278,

■ 0.2254, 0.8253,

279.7807, 328.9001

1.4801

289.4634,
334.3365, 391.3217

■ 0.0000, 0.0000,
0.2030

■ 0.0000, 0.0000,
0.0000

■ 41.6979, 52.2912,
65.0222

■ 41.6979, 52.2912,
65.0222

■ 38.8740, 50.8367,
64.8908

■ 45.1452, 54.0696,
65.1851

■ 36.6321, 49.6810,
64.7855

■ 49.2451, 56.1832,
65.3773

■ 34.9330, 48.8051,
64.7056

■ 54.0306, 58.6502,
65.6017

■ 33.7306, 48.1852,
64.6489

■ 59.5309, 61.4857,
65.8595

■ 32.9715, 47.7939,
64.6130

■ 65.7738, 64.7040,
66.1521

■ 32.5877, 47.5960,
64.5946

■ 72.7854, 68.3186,
66.4806

■ 32.4925, 47.5470,
64.5900

■ 73.7335, 68.8074,
66.5254

■ 73.7336, 68.8074,
66.5258

■ 73.7337, 68.8074,
66.5262

Harmonies

Analogous

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



41.5077, 52.2912, 51.6655



41.6979, 52.2912, 65.0222



43.9479, 52.2912, 77.9213

Triad

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



41.6979, 52.2912, 65.0222



56.5712, 52.2912, 75.8744



51.6258, 52.2912, 35.4985

Complementary

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



41.6979, 52.2912, 65.0222



36.9156, 30.4160, 25.0463

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.



55.9359, 52.2912, 40.1039



41.6979, 52.2912, 65.0222



58.9077, 52.2912, 62.5537

Square

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



41.6979, 52.2912, 65.0222



52.4498, 52.2912, 84.8242



58.6682, 52.2912, 49.5500



47.0504, 52.2912, 35.9479

Rectangle

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



41.6979, 52.2912, 65.0222



46.3968, 52.2912, 83.9015



58.6682, 52.2912, 49.5500



53.1589, 52.2912, 36.4730

Sweetspot

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



41.6994, 52.2933, 65.0234



85.4726, 95.0627, 108.4511



35.0200, 49.6435, 28.8567



18.0636, 20.2282, 23.2022



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.



41.6994, 52.2933, 65.0234



65.1025, 84.5616, 107.4956



34.1524, 37.1987, 62.5091



11.5433, 12.7271, 14.4185



20.4504, 29.9254, 40.6521



1.0550, 1.5438, 2.0972

Inverse Universe

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



36.9156, 30.4160, 25.0463



55.9755, 42.8221, 31.2239



42.5268, 41.6387, 26.9160



11.2124, 11.2137, 11.6530



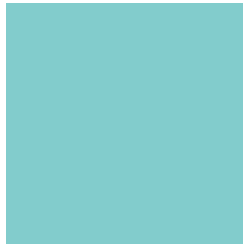
15.6736, 8.0800, 0.7337



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 41.6979, 52.2912, 65.0222 looks on a white background.

Color Contrast Check

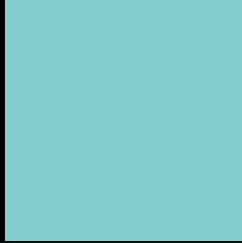
Large Text (above 18pt) WCAG AA × Fail

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 41.6979, 52.2912, 65.0222 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

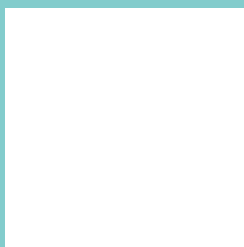
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6979, 52.2912, 65.0222

Background



This preview shows how black text looks on a background with the XYZ color 41.6979, 52.2912, 65.0222.

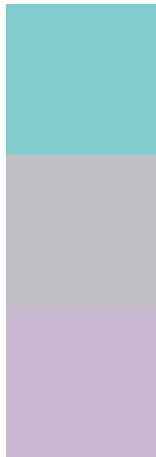


This preview shows how white text looks on a background with the XYZ color 41.6979, 52.2912,

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

41.6979, 52.2912, 65.0222

Protanopia

49.7862, 51.5418, 58.9543

Deuteranopia

52.8215, 51.6695, 66.8637



Tritanopia

43.6069, 52.3713, 74.1400

Trichromacy



Original Color

41.6979, 52.2912, 65.0222

Protanomaly

45.8470, 51.0958, 60.8722

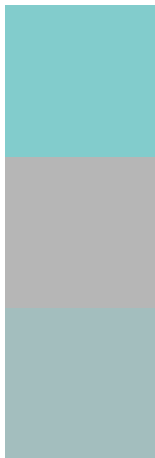
Deuteranomaly

47.7913, 51.3182, 66.4180

Tritanomaly

43.0390, 52.5025, 70.8164

Monochromacy



Original Color

41.6979, 52.2912, 65.0222

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.8120, 48.3311, 55.7876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6979, 52.2912, 65.0222 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(130, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(130, 204, 204)  
}
```

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(130, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 41.6979, 52.2912, 65.0222 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(130, 204, 204) }
```


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

```
.border{ border-color:rgb(130, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(130, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6979, 52.2912, 65.0222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 204, 204) }
```

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

```
.background{ background-color: rgb(130,  
204, 204) }
```

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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