

Converting Colors

XYZ(41.7731, 52.7582, 65.9140)

Have a look what the booklet for
XYZ(41.7731, 52.7582, 65.9140)
contains.

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Color

**XYZ(41.7529, 52.6596,
65.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	80CDCD
RGB	128, 205, 205
RGB Percent	50%, 80%, 80%
CMY	0.4980, 0.1961, 0.1961
CMYK	0.38, 0.00, 0.00, 0.20
HSL	180°, 44%, 65%
HSV	180°, 38%, 80%
XYZ	41.7529, 52.6596, 65.7213
YIQ	181.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

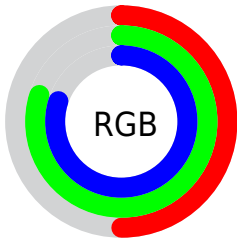
Format	Color
RYB	128, 167, 205
Decimal	8441293
CIELab	77.67, -23.68, -7.52
CIElCh	78, 24.840, 197.614
Yxy	52.6596, 0.2607, 0.3288
Android (android.graphics.Color)	4286631373 (0xFF80CDCD)
YUV	181.9770, 11.3503, -47.3378
Hunter-Lab	72.5669, -24.2884, -2.9000

Details

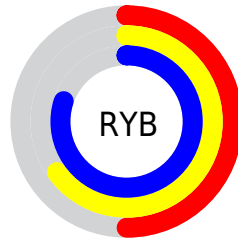
The XYZ color **41.7529, 52.6596, 65.7213** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.7942, 29.9777, 24.2712**, and the grayscale version is **44.4103, 46.7231, 50.8814**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **19.4002, 25.7841, 33.2325** is the 20% darker color. If you saturate the color by 10%, you get **38.9758, 51.2293, 65.5921**, and if you desaturate by 10%, it is **45.1560, 54.4152, 65.8821**.

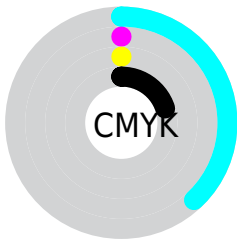
Distribution



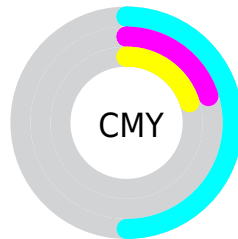
- Red (50%)
- Green (80%)
- Blue (80%)



- Red (50%)
- Yellow (65%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7529, 52.6596, 65.7213 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 41.7529, 52.6596, 65.7213 by changing the saturation by 10% instead.

■ 41.7529, 52.6596,
65.7213

■ 41.7529, 52.6596,
65.7213

344.4667,
396.9778, 463.7565

■ 29.0981, 37.5311,
47.5911

■ 77.0930, 94.1033,
114.7094

■ 19.2997, 25.6190,
33.1455

■ 100.5091,
121.1873, 146.4045

■ 11.9923, 16.5388,
21.9659

■ 128.2429,
153.0252, 183.4582

■ 6.8106, 9.9062,
13.6338

160.6599,
190.0014, 226.2892

■ 3.3892, 5.3368,
7.7306

198.1255,
232.5004, 275.3160

■ 1.3628, 2.4462,
3.8377

241.0049,

■ 0.2295, 0.8495,

280.9066, 330.9571

1.5368

289.6635,
335.6042, 393.6311

■ 0.0000, 0.0000,
0.2451

■ 0.0000, 0.0000,
0.0000

■ 41.7529, 52.6596,
65.7213

■ 41.7529, 52.6596,
65.7213

■ 38.9758, 51.2293,
65.5921

■ 45.1560, 54.4152,
65.8821

■ 36.7824, 50.0985,
65.4891

■ 49.2151, 56.5078,
66.0724

■ 35.1324, 49.2479,
65.4115

■ 53.9637, 58.9558,
66.2950

■ 33.9783, 48.6530,
65.3572

■ 59.4319, 61.7747,
66.5513

■ 33.2648, 48.2852,
65.3234

■ 65.6478, 64.9791,
66.8425

■ 32.9140, 48.1043,
65.3066

■ 72.6380, 68.5827,
67.1700

■ 32.8514, 48.0720,
65.3036

■ 74.0923, 69.3324,
67.2384

■ 74.0923, 69.3324,
67.2388

■ 74.0924, 69.3324,
67.2391

Harmonies

Analogous

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



41.5600, 52.6596, 51.8476



41.7529, 52.6596, 65.7213



44.0787, 52.6596, 79.1823

Triad

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



41.7529, 52.6596, 65.7213



57.1893, 52.6596, 77.0853



52.0591, 52.6596, 35.1844

Complementary

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



41.7529, 52.6596, 65.7213



36.7942, 29.9777, 24.2712

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.



56.5406, 52.6596, 39.9322



41.7529, 52.6596, 65.7213



59.6271, 52.6596, 63.2015

Square

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



41.7529, 52.6596, 65.7213



52.8990, 52.6596, 86.4304



59.3824, 52.6596, 49.6986



47.3078, 52.6596, 35.6373

Rectangle

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



41.7529, 52.6596, 65.7213



46.6150, 52.6596, 85.4435



59.3824, 52.6596, 49.6986



53.6526, 52.6596, 36.1889

Sweetspot

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



41.7545, 52.6617, 65.7225



85.4727, 95.0627, 108.4511



34.8257, 49.9126, 28.2220



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.



41.7545, 52.6617, 65.7225



64.6669, 84.3370, 107.4754



33.8859, 36.9241, 63.1009



11.5433, 12.7271, 14.4185



20.4504, 29.9255, 40.6524



1.0550, 1.5438, 2.0972

Inverse Universe

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



36.7942, 29.9777, 24.2712



55.4070, 41.9902, 30.0936



42.5693, 41.5281, 26.1955



11.2124, 11.2137, 11.6530



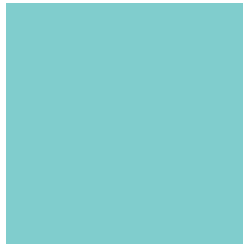
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 41.7529, 52.6596, 65.7213 looks on a white background.

Color Contrast Check

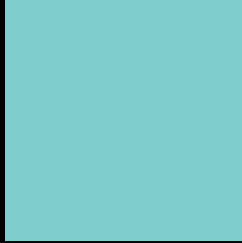
Large Text (above 18pt) WCAG AA × Fail

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 41.7529, 52.6596, 65.7213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

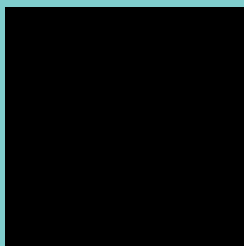
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

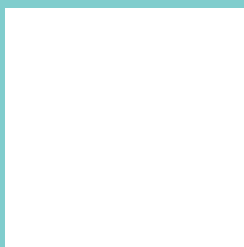
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7529, 52.6596, 65.7213

Background



This preview shows how black text looks on a background with the XYZ color 41.7529, 52.6596, 65.7213.

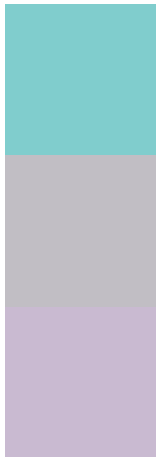


This preview shows how white text looks on a background with the XYZ color 41.7529, 52.6596,

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

41.7529, 52.6596, 65.7213

Protanopia

50.3696, 52.1499, 59.6357

Deuteranopia

53.1549, 52.1388, 67.5838



Tritanopia

43.6578, 52.7319, 74.8951

Trichromacy



Original Color

41.7529, 52.6596, 65.7213

Protanomaly

46.1861, 51.5888, 61.5562

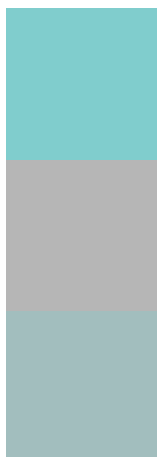
Deuteranomaly

47.9107, 51.6927, 67.1270

Tritanomaly

43.0905, 52.8661, 71.5514

Monochromacy



Original Color

41.7529, 52.6596, 65.7213

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.6080, 48.2260, 55.7781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7529, 52.6596, 65.7213 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(128, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(128, 205, 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(128, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.7529, 52.6596, 65.7213 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(128, 205, 205) }
```


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

```
.border{ border-color:rgb(128, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(128, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7529, 52.6596, 65.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 205, 205) }
```

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

```
.background{ background-color: rgb(128,  
205, 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](#).

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