

Converting Colors

XYZ(41.9812, 60.2986, 70.4773)

Have a look what the booklet for
XYZ(41.9812, 60.2986, 70.4773)
contains.

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Color

**XYZ(41.9514, 60.2529,
70.3917)**

Conversions

Conversions Part 1

Format	Color
Hex	51E1D2
RGB	81, 225, 210
RGB Percent	32%, 88%, 82%
CMY	0.6823, 0.1176, 0.1765
CMYK	0.64, 0.00, 0.07, 0.12
HSL	174°, 71%, 60%
HSV	174°, 64%, 88%
XYZ	41.9514, 60.2529, 70.3917
YIQ	180.2340, -81.0090, -35.1930

Conversions

Conversions Part 2

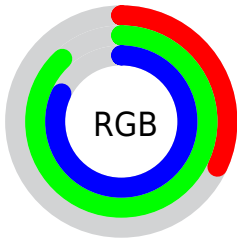
Format	Color
RYB	81, 157, 225
Decimal	5366226
CIELab	81.98, -41.62, -4.01
CIElCh	82, 41.810, 185.507
Yxy	60.2529, 0.2431, 0.3491
Android (android.graphics.Color)	4283556306 (0xFF51E1D2)
YUV	180.2340, 14.6746, -87.0282
Hunter-Lab	77.6227, -39.3690, 0.5692

Details

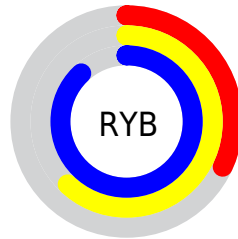
The XYZ color **41.9514, 60.2529, 70.3917** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.1071, 22.7387, 13.5543**, and the grayscale version is **43.4647, 45.7283, 49.7981**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **20.1887, 30.7762, 36.3288** is the 20% darker color. If you saturate the color by 10%, you get **40.0438, 59.3044, 68.7902**, and if you desaturate by 10%, it is **44.5054, 61.5369, 72.0485**.

Distribution



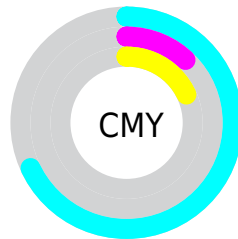
- Red (32%)
- Green (88%)
- Blue (82%)



- Red (32%)
- Yellow (62%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9514, 60.2529, 70.3917 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 41.9514, 60.2529, 70.3917 by changing the saturation by 10% instead.


 41.9514, 60.2529,
70.3917


 41.9514, 60.2529,
70.3917


345.2765,
425.5293, 480.7504


 29.2542, 43.6225,
51.3672


 77.3917, 105.1964,
121.4535


 19.4184, 30.3739,
36.1221


 100.8655,
134.2784, 154.3279

 12.0788, 20.1225,
24.2381


 128.6622,
168.2796, 192.6559

 6.8700, 12.4841,
15.2965

 161.1471,
207.5846, 236.8562

 3.4265, 7.0743,
8.8788

198.6856,
252.5776, 287.3472

 1.3831, 3.5086,
4.5665

241.6431,

 0.2442, 1.4027,

303.6432, 344.5476

1.9410

290.3850,
361.1656, 408.8758

■ 0.0000, 0.2187,
0.5186

■ 0.0000, 0.0000,
0.0000

■ 41.9514, 60.2529,
70.3917

■ 41.9514, 60.2529,
70.3917

■ 40.0438, 59.3044,
68.7902

■ 44.5054, 61.5369,
72.0485

■ 38.7113, 58.6505,
67.2365


■ 47.7574, 63.1789,
73.7590


■ 37.8755, 58.2522,
65.7283


■ 51.7598, 65.2072,
75.5271


■ 37.5351, 58.0959,
64.8411


■ 56.5586, 67.6456,
77.3551

 62.1960, 70.5158,
79.2451

 68.7112, 73.8381,
81.1990

 76.1412, 77.6313,
83.2186

 82.2748, 80.7558,
85.2004

 82.6040, 80.8875,
86.9337

Harmonies

Analogous

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



43.1426, 60.2529, 47.4107



41.9514, 60.2529, 70.3917



44.5081, 60.2529, 98.1599

Triad

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



41.9514, 60.2529, 70.3917



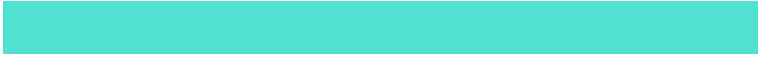
67.7265, 60.2529, 113.7867



64.6138, 60.2529, 30.5104

Complementary

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



41.9514, 60.2529, 70.3917



36.1071, 22.7387, 13.5543

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.



72.2609, 60.2529, 41.1847



41.9514, 60.2529, 70.3917



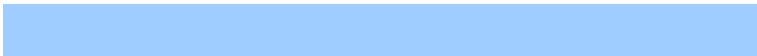
74.1836, 60.2529, 87.9444

Square

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



41.9514, 60.2529, 70.3917



58.9164, 60.2529, 127.0208



75.9227, 60.2529, 61.0407



55.6518, 60.2529, 28.0814

Rectangle

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



41.9514, 60.2529, 70.3917



48.1660, 60.2529, 114.5016



75.9227, 60.2529, 61.0407



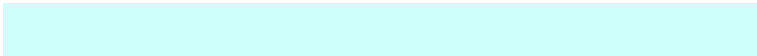
67.4513, 60.2529, 33.0892

Sweetspot

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



41.9532, 60.2552, 70.3931



78.6144, 91.6198, 103.9443



33.4278, 57.0325, 17.0324



16.3763, 19.3812, 22.0944



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.



41.9532, 60.2552, 70.3931



52.4725, 78.4110, 90.6214



31.3232, 35.8624, 76.5080



14.0518, 15.5465, 17.3081



21.6543, 33.4866, 37.4984



1.5189, 2.3283, 2.6937

Inverse Universe

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



36.1071, 22.7387, 13.5543



44.2012, 24.9181, 9.8974



41.3710, 34.2686, 12.2199



13.7650, 13.7236, 14.5326



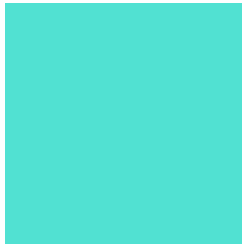
18.0051, 9.2690, 1.4267



1.2679, 0.6504, 0.2037

Previews

White Background



This preview shows how the XYZ color 41.9514, 60.2529, 70.3917 looks on a white background.

Color Contrast Check

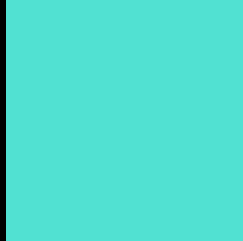
Large Text (above 18pt) WCAG AA × Fail

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 41.9514, 60.2529, 70.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

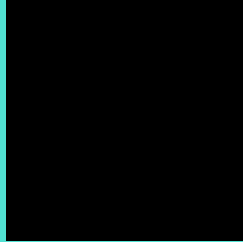
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

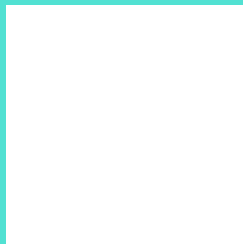
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9514, 60.2529, 70.3917

Background



This preview shows how black text looks on a background with the XYZ color 41.9514, 60.2529, 70.3917.

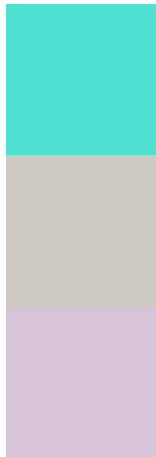


This preview shows how white text looks on a background with the XYZ color 41.9514, 60.2529,

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

41.9514, 60.2529, 70.3917

Protanopia

56.5826, 59.0242, 60.6351

Deuteranopia

60.4535, 59.0367, 73.1747



Tritanopia

46.0525, 60.3246, 90.8779

Trichromacy



Original Color

41.9514, 60.2529, 70.3917



Protanomaly

48.2872, 57.8873, 63.8867



Deuteranomaly

50.3868, 57.6962, 72.0991



Tritanomaly

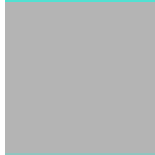
44.2447, 59.9678, 82.6418

Monochromacy



Original Color

41.9514, 60.2529, 70.3917



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.6455, 49.1707, 56.6389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9514, 60.2529, 70.3917 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(81, 225, 210)` looks like.

```
.text, #text, p{  
    color:rgb(81, 225, 210)  
}
```

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(81, 225, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 225, 210) }
```

Border

The CSS property to change the border of an element to XYZ 41.9514, 60.2529, 70.3917 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(81, 225, 210) }
```


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

```
.border{ border-color:rgb(81, 225, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 225, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 225, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 225, 210);  
box-shadow:4px 4px 4px 4px rgb(81, 225,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9514, 60.2529, 70.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 225, 210) }
```

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

```
.background{ background-color: rgb(81, 225,  
210) }
```

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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