

Converting Colors

XYZ(36.2508, 50.5342, 70.6287)

Have a look what the booklet for
XYZ(36.2508, 50.5342, 70.6287)
contains.

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Color

**XYZ(36.1865, 50.3904,
70.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	3CCFD5
RGB	60, 207, 213
RGB Percent	24%, 81%, 84%
CMY	0.7647, 0.1882, 0.1647
CMYK	0.72, 0.03, 0.00, 0.16
HSL	182°, 65%, 54%
HSV	182°, 72%, 84%
XYZ	36.1865, 50.3904, 70.7699
YIQ	163.7310, -89.5380, -29.2980

Conversions

Conversions Part 2

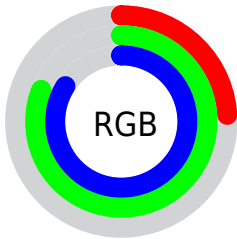
Format	Color
R _{YB}	60, 135, 213
Decimal	3985365
CIE Lab	76.31, -35.49, -14.09
CIE LCh	76, 38.189, 201.655
Yxy	50.3904, 0.2300, 0.3203
Android (android.graphics.Color)	4282175445 (0xFF3CCFD5)
YUV	163.7310, 24.2896, -90.9721
Hunter-Lab	70.9862, -33.2322, -9.4190

Details

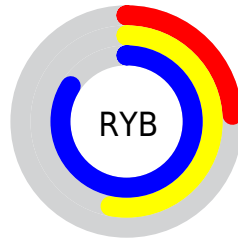
The XYZ color **36.1865, 50.3904, 70.7699** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.2055, 18.3700, 6.2300**, and the grayscale version is **35.0795, 36.9063, 40.1910**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **17.3998, 24.9251, 36.2417** is the 20% darker color. If you saturate the color by 10%, you get **34.9479, 49.4534, 70.6553**, and if you desaturate by 10%, it is **37.9468, 51.6001, 70.9115**.

Distribution



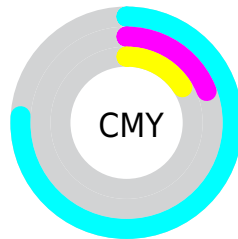
- Red (24%)
- Green (81%)
- Blue (84%)



- Red (24%)
- Yellow (53%)
- Blue (84%)



- Cyan (72%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)





- Cyan (76%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1865, 50.3904, 70.7699 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 36.1865, 50.3904, 70.7699 by changing the saturation by 10% instead.


 36.1865, 50.3904,
70.7699


 36.1865, 50.3904,
70.7699


321.1920,
388.1907, 482.1106


 24.7490, 35.7237,
51.6738


 68.6418, 90.7530,
121.9974


 16.0179, 24.2209,
36.3647


 90.3904, 117.2178,
154.9659

 9.6278, 15.4975,
24.4240


 116.3067,
148.3840, 193.3956

 5.2132, 9.1693,
15.4334

 146.7561,
184.6360, 237.7049

 2.4089, 4.8518,
8.9741

182.1040,
226.3583, 288.3126

 0.8496, 2.1606,
4.6277

222.7157,

 0.0000, 0.6984,

273.9353, 345.6371

1.9756

268.9566,
327.7513, 410.0969

■ 0.0000, 0.0000,
0.5402

■ 0.0000, 0.0000,
0.0000

■ 36.1865, 50.3904,
70.7699

■ 36.1865, 50.3904,
70.7699

■ 34.9479, 49.4534,
70.6553

■ 37.9468, 51.6001,
70.9115


■ 34.1600, 48.7492,
70.5609


■ 40.2797, 53.1055,
71.0792


■ 33.7582, 48.2997,
70.4953


■ 43.2350, 54.9334,
71.2762


■ 46.8560, 57.1060,
71.5047

 51.1821, 59.6437,
71.7665

 56.2496, 62.5653,
72.0634

 62.0924, 65.8881,
72.3968

 68.7421, 69.6285,
72.7683

 76.2287, 73.8019,
73.1792

Harmonies

Analogous

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



35.5045, 50.3904, 49.3318



36.1865, 50.3904, 70.7699



39.8382, 50.3904, 92.0379

Triad

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



36.1865, 50.3904, 70.7699



59.5452, 50.3904, 83.1981



49.9240, 50.3904, 24.3322

Complementary

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



36.1865, 50.3904, 70.7699



30.2055, 18.3700, 6.2300

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.



56.9698, 50.3904, 29.3542



36.1865, 50.3904, 70.7699



62.8761, 50.3904, 60.8006

Square

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



36.1865, 50.3904, 70.7699



53.1660, 50.3904, 100.3699



61.8894, 50.3904, 41.5443



42.9836, 50.3904, 25.7363

Rectangle

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



36.1865, 50.3904, 70.7699



43.6839, 50.3904, 101.5416



61.8894, 50.3904, 41.5443



52.3675, 50.3904, 25.2680

Sweetspot

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



36.1880, 50.3923, 70.7711



76.6390, 89.4731, 107.8385



26.6159, 48.9331, 13.0598



16.0020, 18.9166, 23.0578



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.



36.1880, 50.3923, 70.7711



51.8453, 73.7461, 106.1096



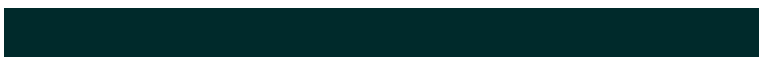
22.0453, 22.1069, 66.0569



12.7485, 14.0205, 15.9718



20.6390, 29.5398, 43.0671



1.2581, 1.8082, 2.6020

Inverse Universe

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



40.3202, 21.8842, 61.1325



58.5582, 29.1822, 90.0590



37.8712, 33.7014, 8.7852



12.9310, 12.6239, 15.5770



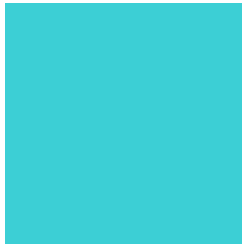
23.4765, 11.3269, 36.1427



1.4227, 0.6859, 2.2152

Previews

White Background



This preview shows how the XYZ color 36.1865, 50.3904, 70.7699 looks on a white background.

Color Contrast Check

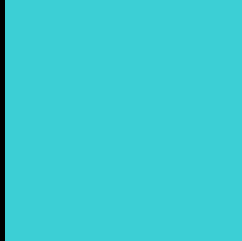
Large Text (above 18pt) WCAG AA × Fail

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 36.1865, 50.3904, 70.7699 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

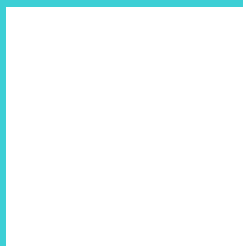
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1865, 50.3904, 70.7699

Background



This preview shows how black text looks on a background with the XYZ color 36.1865, 50.3904, 70.7699.

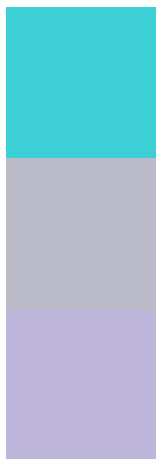


This preview shows how white text looks on a background with the XYZ color 36.1865, 50.3904,

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

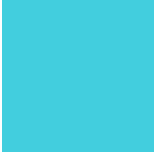
36.1865, 50.3904, 70.7699

Protanopia

48.2339, 49.7270, 61.6997

Deuteranopia

50.6180, 49.4650, 73.2095



Tritanopia

37.5029, 50.5748, 76.8925

Trichromacy



Original Color

36.1865, 50.3904, 70.7699



Protanomaly

41.1264, 48.5668, 64.9643



Deuteranomaly

42.3532, 48.0591, 72.0098



Tritanomaly

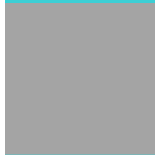
36.9718, 50.3471, 74.7872

Monochromacy



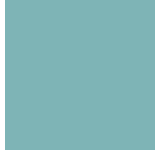
Original Color

36.1865, 50.3904, 70.7699



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3689, 40.4555, 50.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1865, 50.3904, 70.7699 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(60, 207, 213)` looks like.

```
.text, #text, p{  
    color:rgb(60, 207, 213)  
}
```

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(60, 207, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 207, 213) }
```

Border

The CSS property to change the border of an element to XYZ 36.1865, 50.3904, 70.7699 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(60, 207, 213) }
```


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

```
.border{ border-color:rgb(60, 207, 213) }
```

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

Here you see how a box with a 4 pixel rgb(60, 207, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 207, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 207, 213);  
box-shadow:4px 4px 4px 4px rgb(60, 207,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1865, 50.3904, 70.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 207, 213) }
```

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

```
.background{ background-color: rgb(60, 207,  
213) }
```

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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