

Converting Colors

XYZ(36.1154, 50.5096, 63.7230)

Have a look what the booklet for
XYZ(36.1154, 50.5096, 63.7230)
contains.

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Color

**XYZ(36.1154, 50.5096,
63.7230)**

Conversions

Conversions Part 1

Format	Color
Hex	4ECFCA
RGB	78, 207, 202
RGB Percent	31%, 81%, 79%
CMY	0.6941, 0.1882, 0.2078
CMYK	0.62, 0.00, 0.02, 0.19
HSL	178°, 57%, 56%
HSV	178°, 62%, 81%
XYZ	36.1154, 50.5096, 63.7230
YIQ	167.8590, -75.2790, -28.9030

Conversions

Conversions Part 2

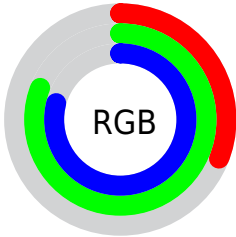
Format	Color
RYB	78, 144, 207
Decimal	5165002
CIELab	76.38, -36.04, -8.01
CIELCh	76, 36.925, 192.536
Yxy	50.5096, 0.2402, 0.3360
Android (android.graphics.Color)	4283355082 (0xFF4ECFCA)
YUV	167.8590, 16.8315, -78.8063
Hunter-Lab	71.0701, -33.6651, -3.4116

Details

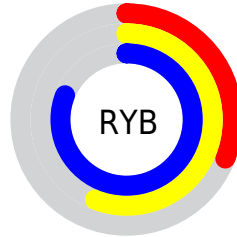
The XYZ color **36.1154, 50.5096, 63.7230** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.0196, 19.3403, 10.3362**, and the grayscale version is **37.0984, 39.0304, 42.5041**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **16.5735, 24.5946, 31.8907** is the 20% darker color. If you saturate the color by 10%, you get **34.5845, 49.7325, 63.1576**, and if you desaturate by 10%, it is **38.1834, 51.5658, 64.3183**.

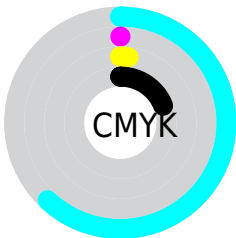
Distribution



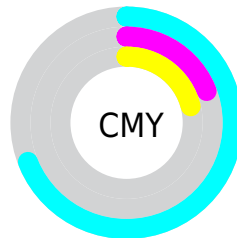
- Red (31%)
- Green (81%)
- Blue (79%)



- Red (31%)
- Yellow (56%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)





- Cyan (69%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1154, 50.5096, 63.7230 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 36.1154, 50.5096, 63.7230 by changing the saturation by 10% instead.


 36.1154, 50.5096,
63.7230


 36.1154, 50.5096,
63.7230


320.8871,
388.6555, 456.3686


 24.6939, 35.8185,
45.9816


 68.5329, 90.9295,
111.8075


 15.9766, 24.2940,
31.8827


 90.2595, 117.4270,
142.9878

 9.5984, 15.5519,
21.0079


 116.1518,
148.6288, 179.4847

 5.1937, 9.2076,
12.9385

 146.5753,
184.9192, 221.7169

 2.3973, 4.8769,
7.2560

181.8952,
226.6827, 270.1028

 0.8437, 2.1752,
3.5418

222.4769,

 0.0000, 0.7064,

274.3037, 325.0610

1.3775

268.6857,
328.1664, 387.0101

■ 0.0000, 0.0000,
0.1241

■ 0.0000, 0.0000,
0.0000

■ 36.1154, 50.5096,
63.7230

■ 36.1154, 50.5096,
63.7230

■ 34.5845, 49.7325,
63.1576

■ 38.1834, 51.5658,
64.3183

■ 33.5342, 49.2019,
62.6162

■ 40.8294, 52.9188,
64.9422

■ 32.9036, 48.8877,
62.0970

■ 44.0953, 54.5913,
65.5976

■ 32.6197, 48.7496,
61.7091

■ 48.0180, 56.6024,
66.2864

■ 52.6315, 58.9695,
67.0101

■ 57.9674, 61.7090,
67.7703

■ 64.0555, 64.8361,
68.5682

■ 70.9237, 68.3654,
69.4052

■ 75.0901, 70.5018,
70.1184

Harmonies

Analogous

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



36.3618, 50.5096, 44.2977



36.1154, 50.5096, 63.7230



38.8240, 50.5096, 85.1188

Triad

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



36.1154, 50.5096, 63.7230



57.6146, 50.5096, 88.2686



52.1285, 50.5096, 25.9844

Complementary

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



36.1154, 50.5096, 63.7230



30.0196, 19.3403, 10.3362

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.



58.5365, 50.5096, 32.9792



36.1154, 50.5096, 63.7230



61.9077, 50.5096, 67.2923

Square

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



36.1154, 50.5096, 63.7230



50.9654, 50.5096, 101.4199



62.2605, 50.5096, 47.1052



45.1670, 50.5096, 25.4714

Rectangle

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



36.1154, 50.5096, 63.7230



42.1081, 50.5096, 96.3941



62.2605, 50.5096, 47.1052



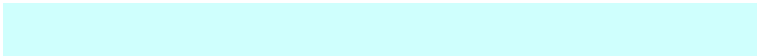
54.4344, 50.5096, 27.5607

Sweetspot

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



36.1169, 50.5115, 63.7242



79.1155, 91.8203, 106.5832



27.3862, 47.0833, 14.8536



16.4994, 19.4304, 22.7425



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.



36.1169, 50.5115, 63.7242



54.7370, 79.3532, 100.9011



25.1456, 27.6058, 63.0367



12.1377, 13.3988, 15.0818



20.5596, 30.7168, 38.9227



1.1559, 1.7200, 2.2095

Inverse Universe

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



30.0196, 19.3403, 10.3362



44.2020, 25.3557, 8.5536



35.9204, 31.4399, 11.3843



11.8270, 11.8156, 12.3651



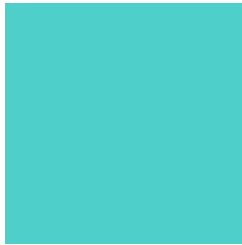
16.2481, 8.3721, 0.9470



0.9152, 0.4708, 0.0881

Previews

White Background



This preview shows how the XYZ color 36.1154, 50.5096, 63.7230 looks on a white background.

Color Contrast Check

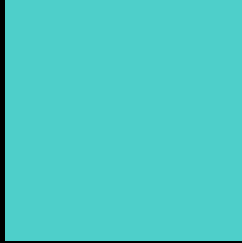
Large Text (above 18pt) WCAG AA × Fail

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 36.1154, 50.5096, 63.7230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

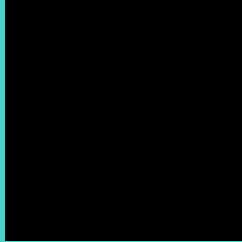
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

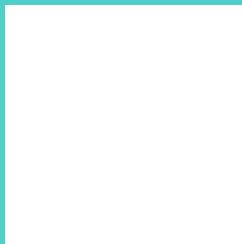
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1154, 50.5096, 63.7230

Background



This preview shows how black text looks on a background with the XYZ color 36.1154, 50.5096, 63.7230.

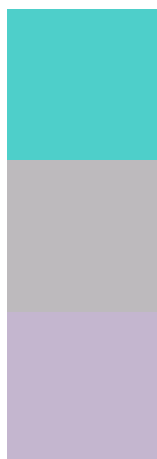


This preview shows how white text looks on a background with the XYZ color 36.1154, 50.5096,

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

36.1154, 50.5096, 63.7230

Protanopia

47.7305, 49.6108, 55.2043

Deuteranopia

50.7554, 49.6967, 65.9488



Tritanopia

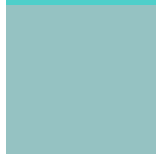
38.5745, 50.4324, 76.1080

Trichromacy



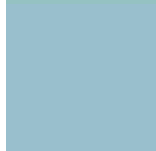
Original Color

36.1154, 50.5096, 63.7230



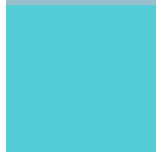
Protanomaly

41.4238, 48.8682, 58.2882



Deuteranomaly

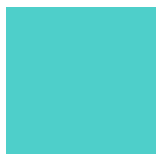
42.7871, 48.4417, 64.8527



Tritanomaly

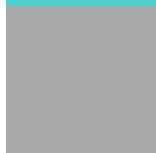
37.6251, 50.4025, 71.3639

Monochromacy



Original Color

36.1154, 50.5096, 63.7230



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9578, 41.9021, 49.4255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1154, 50.5096, 63.7230 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(78, 207, 202)` looks like.

```
.text, #text, p{  
    color:rgb(78, 207, 202)  
}
```

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(78, 207, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 207, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.1154, 50.5096, 63.7230 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(78, 207, 202) }
```


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

```
.border{ border-color:rgb(78, 207, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 207, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 207, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 207, 202);  
box-shadow:4px 4px 4px 4px rgb(78, 207,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1154, 50.5096, 63.7230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 207, 202) }
```

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

```
.background{ background-color: rgb(78, 207,  
202) }
```

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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