

Converting Colors

XYZ(36.5202, 50.3043, 66.1774)

Have a look what the booklet for
XYZ(36.5202, 50.3043, 66.1774)
contains.

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Color

**XYZ(36.5202, 50.3043,
66.1774)**

Conversions

Conversions Part 1

Format	Color
Hex	50CECE
RGB	80, 206, 206
RGB Percent	31%, 81%, 81%
CMY	0.6862, 0.1921, 0.1922
CMYK	0.61, 0.00, 0.00, 0.19
HSL	180°, 56%, 56%
HSV	180°, 61%, 81%
XYZ	36.5202, 50.3043, 66.1774
YIQ	168.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

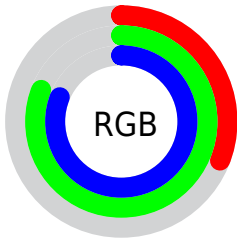
Format	Color
RYB	80, 143, 206
Decimal	5295822
CIELab	76.26, -34.16, -10.35
CIELCh	76, 35.690, 196.860
Yxy	50.3043, 0.2387, 0.3288
Android (android.graphics.Color)	4283485902 (0xFF50CECE)
YUV	168.3260, 18.5733, -77.4619
Hunter-Lab	70.9255, -32.2084, -5.6730

Details

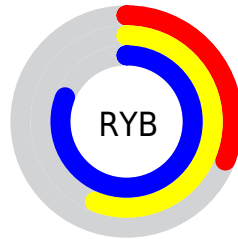
The XYZ color **36.5202, 50.3043, 66.1774** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.7720, 19.4400, 9.7744**, and the grayscale version is **37.3193, 39.2628, 42.7572**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **16.7341, 24.4002, 33.5335** is the 20% darker color. If you saturate the color by 10%, you get **35.0406, 49.5427, 66.1091**, and if you desaturate by 10%, it is **38.5359, 51.3445, 66.2730**.

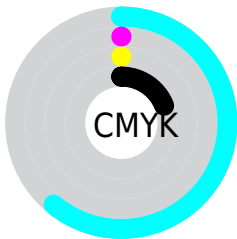
Distribution



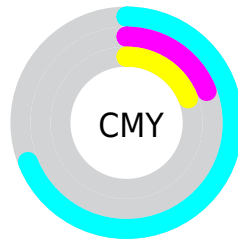
- Red (31%)
- Green (81%)
- Blue (81%)



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



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5202, 50.3043, 66.1774 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 36.5202, 50.3043, 66.1774 by changing the saturation by 10% instead.


 36.5202, 50.3043,
66.1774


 36.5202, 50.3043,
66.1774


322.6203,
387.8547, 465.4326


 25.0082, 35.6552,
47.9590


 69.1529, 90.6256,
115.3703

 16.2119, 24.1681,
33.4347


 91.0042, 117.0666,
147.1820

 9.7660, 15.4583,
22.1858

 117.0328,
148.2070, 184.3618

 5.3052, 9.1417,
13.7939

 147.6038,
184.4313, 227.3284

 2.4640, 4.8337,
7.8403

183.0827,
226.1239, 276.5002

 0.8771, 2.1500,
3.9066

223.8349,

 0.0000, 0.6925,

273.6690, 332.2958

1.5743

270.2256,
327.4512, 395.1338

■ 0.0000, 0.0000,
0.2724

■ 0.0000, 0.0000,
0.0000

■ 36.5202, 50.3043,
66.1774

■ 36.5202, 50.3043,
66.1774

■ 35.0406, 49.5427,
66.1091

■ 38.5359, 51.3445,
66.2730

■ 34.0421, 49.0280,
66.0622

■ 41.1272, 52.6804,
66.3945

■ 33.4660, 48.7310,
66.0351

■ 44.3354, 54.3343,
66.5448

■ 33.2127, 48.6004,
66.0231

■ 48.1964, 56.3247,
66.7257

■ 52.7436, 58.6689,
66.9386

■ 58.0079, 61.3827,
67.1852

■ 64.0186, 64.4813,
67.4667

■ 70.8030, 67.9789,
67.7843

■ 74.4531, 69.8605,
67.9553

Harmonies

Analogous

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



36.3398, 50.3043, 46.8115



36.5202, 50.3043, 66.1774



39.5390, 50.3043, 86.3214

Triad

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



36.5202, 50.3043, 66.1774



57.8352, 50.3043, 84.0496



50.7995, 50.3043, 26.1423

Complementary

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



36.5202, 50.3043, 66.1774



29.7720, 19.4400, 9.7744

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.



57.1669, 50.3043, 32.0339



36.5202, 50.3043, 66.1774



61.4772, 50.3043, 63.5892

Square

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



36.5202, 50.3043, 66.1774



51.6446, 50.3043, 98.1770



61.2218, 50.3043, 44.7601



44.1752, 50.3043, 26.5225

Rectangle

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



36.5202, 50.3043, 66.1774



42.9299, 50.3043, 96.1527



61.2218, 50.3043, 44.7601



53.0524, 50.3043, 27.3835

Sweetspot

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



36.5217, 50.3062, 66.1786



80.1327, 92.3099, 108.2014



27.0093, 46.5221, 15.1470



16.7124, 19.5317, 23.1390



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.



36.5217, 50.3062, 66.1786



56.2532, 79.9996, 107.0822



24.5914, 26.4452, 62.2028



11.5433, 12.7271, 14.4185



20.4506, 29.9256, 40.6536



1.0550, 1.5438, 2.0973

Inverse Universe

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



29.7720, 19.4400, 9.7744



44.4285, 25.9257, 8.2688



36.4136, 32.7234, 11.9879



11.2124, 11.2137, 11.6530



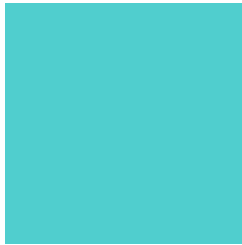
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 36.5202, 50.3043, 66.1774 looks on a white background.

Color Contrast Check

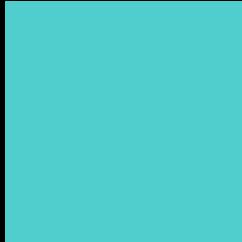
Large Text (above 18pt) WCAG AA × Fail

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 36.5202, 50.3043, 66.1774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

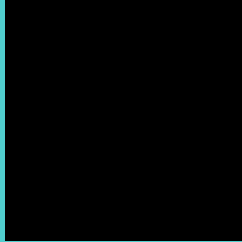
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

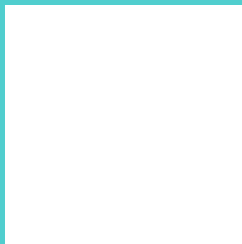
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5202, 50.3043, 66.1774

Background



This preview shows how black text looks on a background with the XYZ color 36.5202, 50.3043, 66.1774.

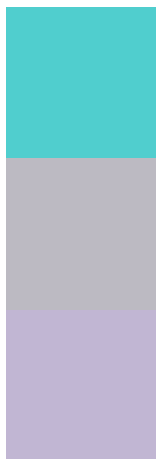


This preview shows how white text looks on a background with the XYZ color 36.5202, 50.3043,

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

36.5202, 50.3043, 66.1774

Protanopia

48.0355, 49.7042, 58.1011

Deuteranopia

50.4781, 49.4965, 68.5213



Tritanopia

38.3489, 50.3315, 75.4039

Trichromacy



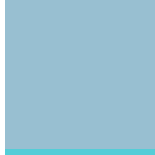
Original Color

36.5202, 50.3043, 66.1774



Protanomaly

41.6574, 48.6067, 60.6125



Deuteranomaly

43.0883, 48.5405, 67.4198



Tritanomaly

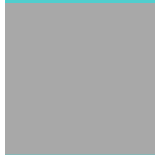
37.7532, 50.4538, 72.0387

Monochromacy



Original Color

36.5202, 50.3043, 66.1774



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.3248, 42.0675, 50.5140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5202, 50.3043, 66.1774 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(80, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(80, 206, 206)  
}
```

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(80, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 206, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.5202, 50.3043, 66.1774 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(80, 206, 206) }
```


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

```
.border{ border-color:rgb(80, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(80, 206,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5202, 50.3043, 66.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 206, 206) }
```

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

```
.background{ background-color: rgb(80, 206,  
206) }
```

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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