

Converting Colors

XYZ(34.1348, 49.3645, 79.8584)

Have a look what the booklet for
XYZ(34.1348, 49.3645, 79.8584)
contains.

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Color

**XYZ(36.2833, 50.6027,
79.8065)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0E2
RGB	0, 208, 226
RGB Percent	0%, 82%, 89%
CMY	0.9998, 0.1843, 0.1137
CMYK	1.00, 0.08, 0.00, 0.11
HSL	185°, 100%, 44%
HSV	185°, 100%, 89%
XYZ	36.2833, 50.6027, 79.8065
YIQ	147.8600, -129.7460, -38.4980

Conversions

Conversions Part 2

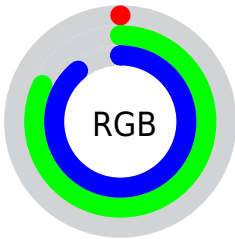
Format	Color
RYB	0, 108, 226
Decimal	53474
CIELab	76.44, -35.73, -20.95
CIELCh	76, 41.418, 210.386
Yxy	50.6027, 0.2177, 0.3036
Android (android.graphics.Color)	4278243554 (0xFF00D0E2)
YUV	147.8600, 38.5230, -129.6732
Hunter-Lab	71.1356, -33.4418, -16.7221

Details

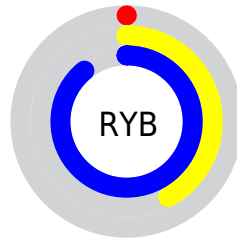
The XYZ color **36.2833, 50.6027, 79.8065** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.5819, 16.6034, 1.5418**, and the grayscale version is **27.9808, 29.4379, 32.0579**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.7419, 25.7227, 42.5053** is the 20% darker color. If you saturate the color by 10%, you get **36.2831, 50.6020, 79.8073**, and if you desaturate by 10%, it is **37.0712, 51.6652, 79.9710**.

Distribution



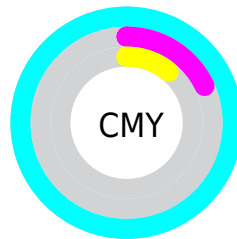
- Red (0%)
- Green (82%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2833, 50.6027, 79.8065 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 36.2833, 50.6027, 79.8065 by changing the saturation by 10% instead.

36.2833, 50.6027,
79.8065

36.2833, 50.6027,
79.8065

321.6068,
389.0182, 513.9700

24.8242, 35.8925,
59.0339

68.7901, 91.0672,
134.9026

16.0742, 24.3512,
42.2202

90.5686, 117.5904,
170.0632

9.6678, 15.5943,
28.9469

116.5175,
148.8199, 210.8568

5.2398, 9.2376,
18.7954

147.0022,
185.1403, 257.7021

2.4249, 4.8965,
11.3472

182.3882,
226.9360, 311.0175

0.8575, 2.1866,
6.1838

223.0407,

0.0000, 0.7127,

274.5912, 371.2216

2.8866

269.3251,
328.4905, 438.7329

■ 0.0000, 0.0000,
1.0370

■ 0.0000, 0.0000,
0.0000

■ 36.2833, 50.6027,
79.8065

■ 36.2833, 50.6027,
79.8065

■ 36.2831, 50.6020,
79.8073

■ 37.0712, 51.6652,
79.9710

■ 38.2656, 52.9437,
80.1548

■ 39.9974, 54.5067,
80.3653

■ 42.3410, 56.3925,
80.6057

■ 45.3588, 58.6334,
80.8792

■ 49.1058, 61.2577,
81.1883

■ 53.6309, 64.2906,
81.5352

■ 58.9790, 67.7555,
81.9221

■ 65.1916, 71.6736,
82.3509

Harmonies

Analogous

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



34.6029, 50.6027, 55.3873



36.2833, 50.6027, 79.8065



41.0587, 50.6027, 101.5144

Triad

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



36.2833, 50.6027, 79.8065



62.3498, 50.6027, 79.1673



47.9955, 50.6027, 22.3388

Complementary

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



36.2833, 50.6027, 79.8065



31.5819, 16.6034, 1.5418

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.



55.8954, 50.6027, 25.5552



36.2833, 50.6027, 79.8065



64.7079, 50.6027, 54.8092

Square

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



36.2833, 50.6027, 79.8065



56.0889, 50.6027, 101.0806



62.2298, 50.6027, 36.1011



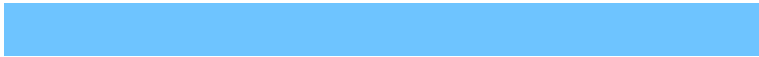
40.9016, 50.6027, 25.7288

Rectangle

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



36.2833, 50.6027, 79.8065



45.6345, 50.6027, 109.2283



62.2298, 50.6027, 36.1011



50.6452, 50.6027, 22.6704

Sweetspot

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



36.2849, 50.6045, 79.8077



70.3717, 84.4376, 107.1968



27.2845, 54.4286, 9.5241



14.4965, 17.6975, 22.9019



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.



36.2849, 50.6045, 79.8077



47.6688, 66.4576, 104.9229



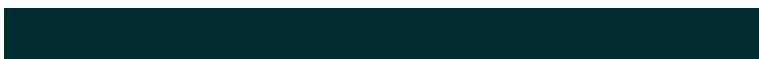
18.0928, 14.2203, 73.7437



14.0183, 15.3757, 17.6166



20.7402, 28.9500, 45.5432



1.4657, 2.0628, 3.1662

Inverse Universe

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



42.7506, 20.7244, 61.4233



56.1902, 27.2401, 80.6567



39.0959, 31.6313, 4.0464



14.2454, 13.9158, 17.0627



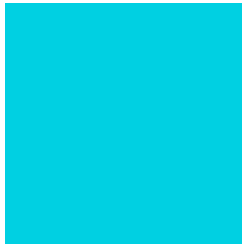
24.4089, 11.8306, 35.1487



1.7061, 0.8257, 2.5109

Previews

White Background



This preview shows how the XYZ color 36.2833, 50.6027, 79.8065 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 36.2833, 50.6027, 79.8065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

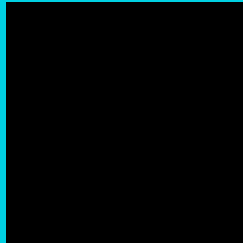
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2833, 50.6027, 79.8065

Background



This preview shows how black text looks on a background with the XYZ color 36.2833, 50.6027, 79.8065.



This preview shows how white text looks on a background with the XYZ color 36.2833, 50.6027,

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

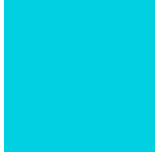
36.2833, 50.6027, 79.8065

Protanopia

48.8452, 49.8882, 68.6830

Deuteranopia

51.0274, 49.7604, 83.2592



Tritanopia

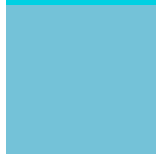
36.1465, 50.5480, 79.0858

Trichromacy



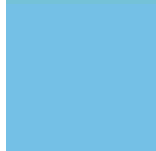
Original Color

36.2833, 50.6027, 79.8065



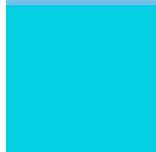
Protanomaly

38.8889, 47.2544, 72.0371



Deuteranomaly

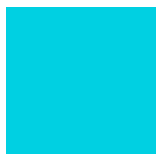
40.3350, 47.1254, 81.8332



Tritanomaly

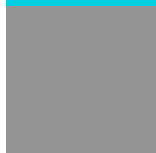
36.1465, 50.5480, 79.0858

Monochromacy



Original Color

36.2833, 50.6027, 79.8065



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.8273, 34.2637, 46.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2833, 50.6027, 79.8065 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(0, 208, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 226)  
}
```

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(0, 208, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 226) }
```

Border

The CSS property to change the border of an element to XYZ 36.2833, 50.6027, 79.8065 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(0, 208, 226) }
```


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

```
.border{ border-color:rgb(0, 208, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2833, 50.6027, 79.8065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 226) }
```

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

```
.background{ background-color: rgb(0, 208,  
226) }
```

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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