

Converting Colors

XYZ(36.3304, 49.8643, 65.4676)

Have a look what the booklet for
XYZ(36.3304, 49.8643, 65.4676)
contains.

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Color

**XYZ(36.3304, 49.8643,
65.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	52CDDC
RGB	82, 205, 205
RGB Percent	32%, 80%, 80%
CMY	0.6784, 0.1961, 0.1961
CMYK	0.60, 0.00, 0.00, 0.20
HSL	180°, 55%, 56%
HSV	180°, 60%, 80%
XYZ	36.3304, 49.8643, 65.4676
YIQ	168.2230, -73.3080, -26.0760

Conversions

Conversions Part 2

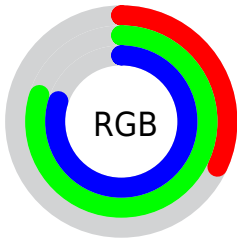
Format	Color
RYB	82, 144, 205
Decimal	5426637
CIELab	75.99, -33.62, -10.21
CIELCh	76, 35.140, 196.889
Yxy	49.8643, 0.2395, 0.3288
Android (android.graphics.Color)	4283616717 (0xFF52CDCD)
YUV	168.2230, 18.1311, -75.6176
Hunter-Lab	70.6147, -31.7395, -5.5381

Details

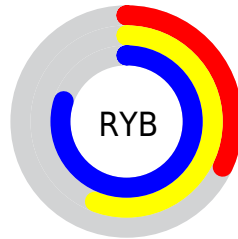
The XYZ color **36.3304, 49.8643, 65.4676** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.7187, 19.6243, 10.2056**, and the grayscale version is **37.2699, 39.2108, 42.7006**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **16.4923, 24.0471, 33.0505** is the 20% darker color. If you saturate the color by 10%, you get **34.8074, 49.0803, 65.3972**, and if you desaturate by 10%, it is **38.3888, 50.9266, 65.5652**.

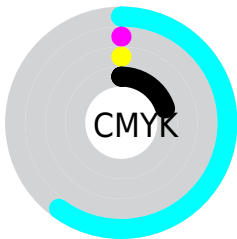
Distribution



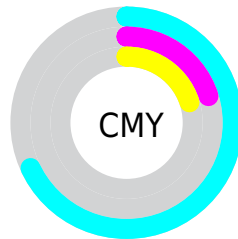
- Red (32%)
- Green (80%)
- Blue (80%)



- Red (32%)
- Yellow (56%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (68%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3304, 49.8643, 65.4676 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 36.3304, 49.8643, 65.4676 by changing the saturation by 10% instead.


 36.3304, 49.8643,
65.4676


 36.3304, 49.8643,
65.4676


321.8085,
386.1350, 462.8225


 24.8608, 35.3056,
47.3866


 68.8623, 89.9738,
114.3416


 16.1015, 23.8984,
32.9848


 90.6552, 116.2933,
145.9716

 9.6873, 15.2582,
21.8438


 116.6200,
147.3020, 182.9550

 5.2528, 9.0008,
13.5450

 147.1219,
183.3841, 225.7105

 2.4326, 4.7417,
7.6697

182.5264,
224.9240, 274.6564

 0.8614, 2.0965,
3.7996

223.1987,

 0.0000, 0.6627,

272.3063, 330.2113

1.5161

269.5043,
325.9151, 392.7939

■ 0.0000, 0.0000,
0.2299

■ 0.0000, 0.0000,
0.0000

■ 36.3304, 49.8643,
65.4676

■ 36.3304, 49.8643,
65.4676

■ 34.8074, 49.0803,
65.3972

■ 38.3888, 50.9266,
65.5652

■ 33.7663, 48.5436,
65.3483

■ 41.0211, 52.2836,
65.6886

■ 33.1505, 48.2261,
65.3193

■ 44.2674, 53.9571,
65.8408

■ 32.8517, 48.0721,
65.3051

■ 48.1631, 55.9654,
66.0233

■ 32.8516, 48.0721,
65.3051

■ 52.7408, 58.3253,
66.2377

■ 58.0309, 61.0524,
66.4855

■ 64.0619, 64.1615,
66.7680

■ 70.8609, 67.6665,
67.0863

■ 74.0921, 69.3323,
67.2378

Harmonies

Analogous

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



36.1506, 49.8643, 46.5119



36.3304, 49.8643, 65.4676



39.2937, 49.8643, 85.1311

Triad

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



36.3304, 49.8643, 65.4676



57.2019, 49.8643, 82.8807



50.3108, 49.8643, 26.1846

Complementary

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



36.3304, 49.8643, 65.4676



29.7187, 19.6243, 10.2056

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.



56.5386, 49.8643, 31.9794



36.3304, 49.8643, 65.4676



60.7571, 49.8643, 62.8985

Square

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



36.3304, 49.8643, 65.4676



51.1505, 49.8643, 96.6649



60.5037, 49.8643, 44.4696



43.8271, 49.8643, 26.5651

Rectangle

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



36.3304, 49.8643, 65.4676



42.6184, 49.8643, 94.7102



60.5037, 49.8643, 44.4696



52.5148, 49.8643, 27.4057

Sweetspot

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



36.3319, 49.8662, 65.4688



80.1327, 92.3099, 108.2013



27.0164, 46.1609, 15.4697



16.7124, 19.5317, 23.1389



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.



36.3319, 49.8662, 65.4688



56.4375, 80.0946, 107.0905



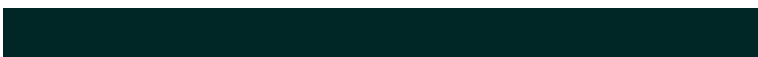
24.7103, 26.6227, 61.5961



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6534



1.0550, 1.5438, 2.0973

Inverse Universe

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



29.7187, 19.6243, 10.2056



44.6691, 26.2776, 8.7470



36.2930, 32.7729, 12.3967



11.2124, 11.2137, 11.6530



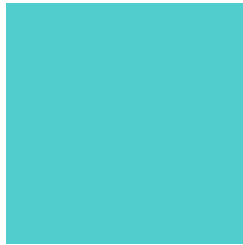
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 36.3304, 49.8643, 65.4676 looks on a white background.

Color Contrast Check

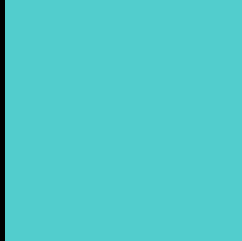
Large Text (above 18pt) WCAG AA × Fail

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 36.3304, 49.8643, 65.4676 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

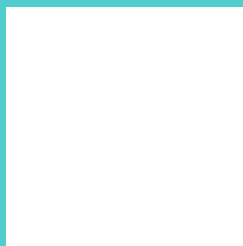
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3304, 49.8643, 65.4676

Background



This preview shows how black text looks on a background with the XYZ color 36.3304, 49.8643, 65.4676.

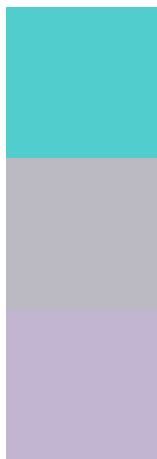


This preview shows how white text looks on a background with the XYZ color 36.3304, 49.8643,

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

36.3304, 49.8643, 65.4676

Protanopia

47.4681, 49.1130, 57.4300

Deuteranopia

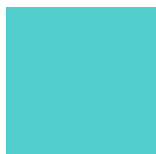
50.1491, 49.0383, 67.7950



Tritanopia

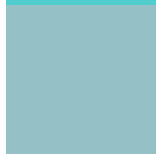
38.1666, 49.9011, 74.6381

Trichromacy



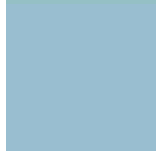
Original Color

36.3304, 49.8643, 65.4676



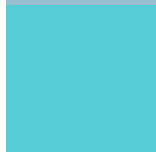
Protanomaly

41.3221, 48.1201, 59.9335



Deuteranomaly

42.9355, 48.1533, 66.7061



Tritanomaly

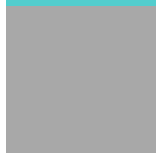
37.5682, 50.0192, 71.2929

Monochromacy



Original Color

36.3304, 49.8643, 65.4676



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.1809, 41.7023, 49.9112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3304, 49.8643, 65.4676 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(82, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(82, 205, 205)  
}
```

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(82, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.3304, 49.8643, 65.4676 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(82, 205, 205) }
```


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

```
.border{ border-color:rgb(82, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(82, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3304, 49.8643, 65.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 205, 205) }
```

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

```
.background{ background-color: rgb(82, 205,  
205) }
```

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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