

Converting Colors

XYZ(36.2331, 49.1498, 63.4543)

Have a look what the booklet for
XYZ(36.2331, 49.1498, 63.4543)
contains.

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Color

**XYZ(36.2331, 49.1498,
63.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	5ACBCA
RGB	90, 203, 202
RGB Percent	35%, 80%, 79%
CMY	0.6470, 0.2039, 0.2078
CMYK	0.56, 0.00, 0.00, 0.20
HSL	179°, 52%, 57%
HSV	179°, 56%, 80%
XYZ	36.2331, 49.1498, 63.4543
YIQ	169.0990, -67.0270, -24.2670

Conversions

Conversions Part 2

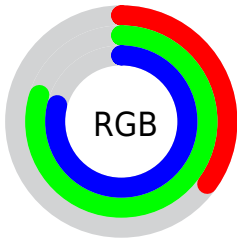
Format	Color
RYB	90, 147, 203
Decimal	5950410
CIELab	75.54, -32.05, -9.22
CIELCh	76, 33.346, 196.054
Yxy	49.1498, 0.2434, 0.3302
Android (android.graphics.Color)	4284140490 (0xFF5ACBCA)
YUV	169.0990, 16.2202, -69.3698
Hunter-Lab	70.1069, -30.4336, -4.5890

Details

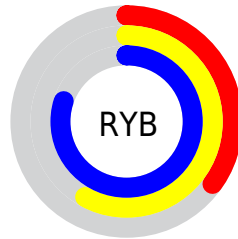
The XYZ color **36.2331, 49.1498, 63.4543** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.1748, 20.7658, 12.3171**, and the grayscale version is **37.7085, 39.6723, 43.2032**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **15.9853, 23.3437, 31.6803** is the 20% darker color. If you saturate the color by 10%, you get **34.5008, 48.2604, 63.2631**, and if you desaturate by 10%, it is **38.5075, 50.3209, 63.6731**.

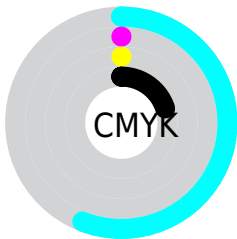
Distribution



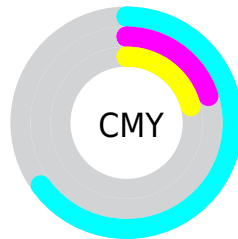
- Red (35%)
- Green (80%)
- Blue (79%)



- Red (35%)
- Yellow (58%)
- Blue (80%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2331, 49.1498, 63.4543 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 36.2331, 49.1498, 63.4543 by changing the saturation by 10% instead.

36.2331, 49.1498,
63.4543

36.2331, 49.1498,
63.4543

321.3917,
383.3318, 455.3696

24.7852, 34.7383,
45.7655

68.7132, 88.9139,
111.4166

16.0450, 23.4614,
31.7135

90.4762, 115.0353,
142.5271

9.6470, 14.9346,
20.8797

116.4082,
145.8288, 178.9486

5.2260, 8.7735,
12.8457

146.8746,
181.6788, 221.0996

2.4166, 4.5937,
7.1929

182.2408,
222.9697, 269.3987

0.8534, 2.0109,
3.5028

222.8722,

0.0000, 0.6138,

270.0859, 324.2643

1.3567

269.1340,
323.4118, 386.1151

■ 0.0000, 0.0000,
0.1076

■ 0.0000, 0.0000,
0.0000

■ 36.2331, 49.1498,
63.4543

■ 36.2331, 49.1498,
63.4543

■ 34.5008, 48.2604,
63.2631

■ 38.5075, 50.3209,
63.6731

■ 33.2612, 47.6238,
63.0941


■ 41.3595, 51.7887,
63.9181


■ 32.4634, 47.2149,
62.9458


■ 44.8268, 53.5738,
64.1919


■ 32.0427, 47.0005,
62.8153


■ 48.9428, 55.6931,
64.4962


 31.9233, 46.9400,
62.7617

 53.7382, 58.1628,
64.8325

 59.2419, 60.9976,
65.2020

 65.4812, 64.2116,
65.6061

 72.4819, 67.8181,
66.0460

 73.4504, 68.3149,
66.2036

Harmonies

Analogous

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



36.1380, 49.1498, 45.7501



36.2331, 49.1498, 63.4543



38.9688, 49.1498, 81.8401

Triad

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



36.2331, 49.1498, 63.4543



55.7720, 49.1498, 80.6748



49.6284, 49.1498, 26.8853

Complementary

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



36.2331, 49.1498, 63.4543



30.1748, 20.7658, 12.3171

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.



55.4261, 49.1498, 32.6210



36.2331, 49.1498, 63.4543



59.1783, 49.1498, 62.1140

Square

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



36.2331, 49.1498, 63.4543



50.0677, 49.1498, 93.1778



59.0464, 49.1498, 44.6733



43.5162, 49.1498, 27.0898

Rectangle

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



36.2331, 49.1498, 63.4543



42.0714, 49.1498, 90.8858



59.0464, 49.1498, 44.6733



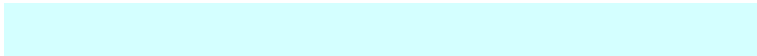
51.6892, 49.1498, 28.1167

Sweetspot

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



36.2346, 49.1517, 63.4555



80.7988, 92.6604, 107.9104



27.6050, 45.7213, 17.0444



16.9822, 19.6725, 23.0745



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.



36.2346, 49.1517, 63.4555



57.2367, 80.5346, 105.8624



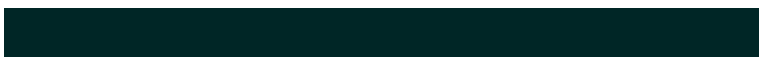
25.6478, 27.7876, 60.5137



11.5388, 12.7253, 14.3949



20.3170, 29.8721, 39.9500



1.0495, 1.5416, 2.0684

Inverse Universe

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



30.1748, 20.7658, 12.3171



46.0882, 28.2905, 11.7649



36.5428, 33.5705, 14.2279



11.2163, 11.2153, 11.6737



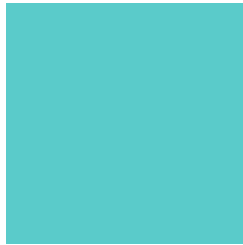
15.6816, 8.0832, 0.7759



0.8104, 0.4176, 0.0476

Previews

White Background



This preview shows how the XYZ color 36.2331, 49.1498, 63.4543 looks on a white background.

Color Contrast Check

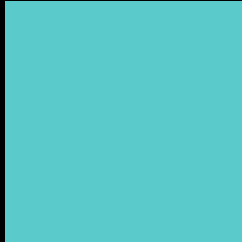
Large Text (above 18pt) WCAG AA × Fail

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 36.2331, 49.1498, 63.4543 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

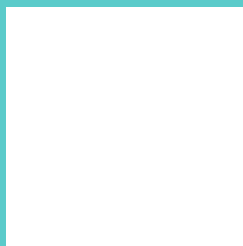
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2331, 49.1498, 63.4543

Background



This preview shows how black text looks on a background with the XYZ color 36.2331, 49.1498, 63.4543.

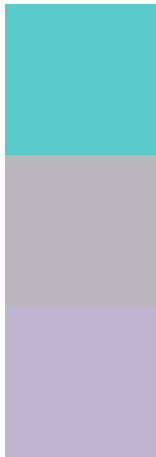


This preview shows how white text looks on a background with the XYZ color 36.2331, 49.1498,

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

36.2331, 49.1498, 63.4543

Protanopia

46.6845, 48.4378, 55.6041

Deuteranopia

49.5761, 48.4850, 65.7771



Tritanopia

38.2349, 49.2698, 73.1405

Trichromacy



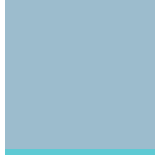
Original Color

36.2331, 49.1498, 63.4543



Protanomaly

41.1309, 47.7360, 58.0851



Deuteranomaly

42.7130, 47.4421, 64.6636



Tritanomaly

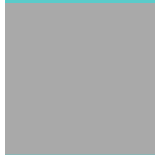
37.6203, 49.3742, 69.8347

Monochromacy



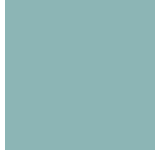
Original Color

36.2331, 49.1498, 63.4543



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.6796, 41.9594, 49.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2331, 49.1498, 63.4543 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(90, 203, 202)` looks like.

```
.text, #text, p{  
    color:rgb(90, 203, 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(90, 203, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 203, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.2331, 49.1498, 63.4543 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(90, 203, 202) }
```


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

```
.border{ border-color:rgb(90, 203, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 203, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 203, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 203, 202);  
box-shadow:4px 4px 4px 4px rgb(90, 203,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2331, 49.1498, 63.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 203, 202) }
```

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

```
.background{ background-color: rgb(90, 203,  
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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