

Converting Colors

XYZ(36.5653, 49.3471, 65.8487)

Have a look what the booklet for
XYZ(36.5653, 49.3471, 65.8487)
contains.

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Color

**XYZ(36.5210, 49.2428,
65.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	58CBCE
RGB	88, 203, 206
RGB Percent	35%, 80%, 81%
CMY	0.6549, 0.2039, 0.1922
CMYK	0.57, 0.01, 0.00, 0.19
HSL	182°, 55%, 58%
HSV	182°, 57%, 81%
XYZ	36.5210, 49.2428, 65.9725
YIQ	168.9570, -69.5030, -23.4470

Conversions

Conversions Part 2

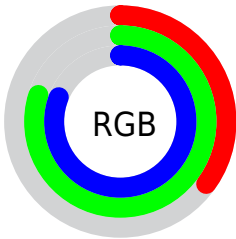
Format	Color
RYB	88, 146, 206
Decimal	5819342
CIELab	75.60, -31.34, -11.30
CIELCh	76, 33.313, 199.835
Yxy	49.2428, 0.2407, 0.3245
Android (android.graphics.Color)	4284009422 (0xFF58CBCE)
YUV	168.9570, 18.2622, -70.9993
Hunter-Lab	70.1732, -29.9045, -6.6195

Details

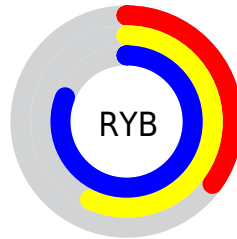
The XYZ color **36.5210, 49.2428, 65.9725** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.9571, 21.3095, 11.7153**, and the grayscale version is **37.6294, 39.5891, 43.1125**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **16.2574, 23.4468, 33.3746** is the 20% darker color. If you saturate the color by 10%, you get **34.7167, 48.1305, 65.8538**, and if you desaturate by 10%, it is **38.8796, 50.6436, 66.1195**.

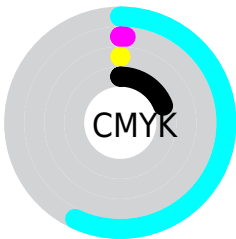
Distribution



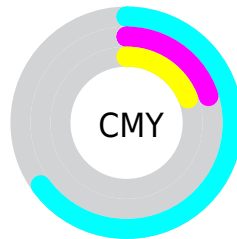
- Red (35%)
- Green (80%)
- Blue (81%)



- Red (35%)
- Yellow (57%)
- Blue (81%)



- Cyan (57%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5210, 49.2428, 65.9725 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 36.5210, 49.2428, 65.9725 by changing the saturation by 10% instead.

36.5210, 49.2428,
65.9725

36.5210, 49.2428,
65.9725

322.6237,
383.6974, 464.6801

25.0088, 34.8121,
47.7937

69.1541, 89.0520,
115.0735

16.2124, 23.5182,
33.3047

91.0057, 115.1992,
146.8328

9.7664, 14.9766,
22.0870

117.0345,
146.0208, 183.9560

5.3054, 8.8030,
13.7219

147.6058,
181.9011, 226.8617

2.4641, 4.6129,
7.7910

183.0851,
223.2245, 275.9685

0.8772, 2.0220,
3.8756

223.8376,

0.0000, 0.6202,

270.3755, 331.6947

1.5574

270.2286,
323.7383, 394.4591

■ 0.0000, 0.0000,
0.2601

■ 0.0000, 0.0000,
0.0000

■ 36.5210, 49.2428,
65.9725

■ 36.5210, 49.2428,
65.9725

■ 34.7167, 48.1305,
65.8538

■ 38.8796, 50.6436,
66.1195

■ 33.4144, 47.2766,
65.7576


■ 41.8301, 52.3491,
66.2931


■ 32.5597, 46.6540,
65.6825


■ 45.4122, 54.3808,
66.4965


■ 32.0765, 46.2236,
65.6249


■ 49.6608, 56.7567,
66.7312

 31.9731, 46.1211,
65.6105

 54.6082, 59.4936,
66.9987

 60.2848, 62.6069,
67.3004

 66.7189, 66.1113,
67.6377

 73.9375, 70.0208,
68.0119

 74.8670, 70.6888,
68.0918

Harmonies

Analogous

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



36.0847, 49.2428, 47.8492



36.5210, 49.2428, 65.9725



39.5710, 49.2428, 83.9479

Triad

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



36.5210, 49.2428, 65.9725



56.4531, 49.2428, 78.6126



48.9259, 49.2428, 26.6753

Complementary

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



36.5210, 49.2428, 65.9725



30.9571, 21.3095, 11.7153

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.



54.8682, 49.2428, 31.6445



36.5210, 49.2428, 65.9725



59.4597, 49.2428, 59.8307

Square

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



36.5210, 49.2428, 65.9725



50.9396, 49.2428, 92.2834



58.8555, 49.2428, 42.9094



42.8982, 49.2428, 27.6155

Rectangle

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



36.5210, 49.2428, 65.9725



42.8375, 49.2428, 92.1872



58.8555, 49.2428, 42.9094



51.0076, 49.2428, 27.6586

Sweetspot

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



36.5225, 49.2447, 65.9737



80.5102, 91.9843, 108.1191



27.9410, 46.9560, 17.2574



16.9132, 19.5107, 23.1245



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.



36.5225, 49.2447, 65.9737



55.6289, 77.5850, 106.6512



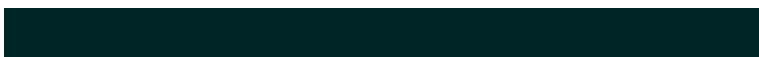
25.2968, 26.7934, 62.2318



11.5179, 12.6762, 14.4101



19.6992, 28.4223, 40.4041



1.0242, 1.4821, 2.0870

Inverse Universe

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



39.7241, 24.4143, 59.1207



61.3780, 33.7946, 94.1662



37.9584, 35.3121, 14.0490



11.6748, 11.3986, 14.0879



22.1541, 10.6722, 34.8600



1.1469, 0.5522, 1.8194

Previews

White Background



This preview shows how the XYZ color 36.5210, 49.2428, 65.9725 looks on a white background.

Color Contrast Check

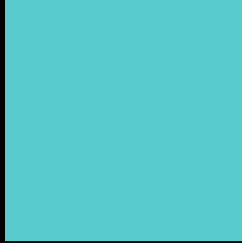
Large Text (above 18pt) WCAG AA × Fail

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 36.5210, 49.2428, 65.9725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

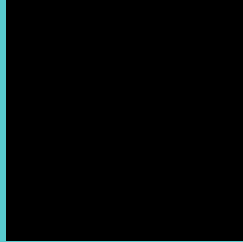
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5210, 49.2428, 65.9725

Background



This preview shows how black text looks on a background with the XYZ color 36.5210, 49.2428, 65.9725.



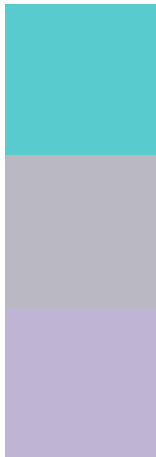
This preview shows how white text looks on a background with the XYZ color 36.5210, 49.2428,

65.9725.

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

36.5210, 49.2428, 65.9725

Protanopia

47.1278, 48.6151, 57.9387

Deuteranopia

49.5650, 48.4220, 68.3620



Tritanopia

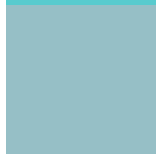
38.0557, 49.1624, 73.8132

Trichromacy



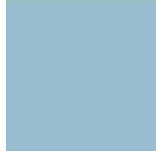
Original Color

36.5210, 49.2428, 65.9725



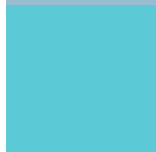
Protanomaly

41.4015, 47.8229, 60.4747



Deuteranomaly

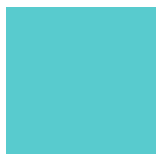
42.8183, 47.4399, 67.2217



Tritanomaly

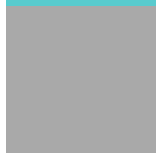
37.5725, 49.3202, 71.1578

Monochromacy



Original Color

36.5210, 49.2428, 65.9725



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.7826, 42.0006, 50.4770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5210, 49.2428, 65.9725 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(88, 203, 206)` looks like.

```
.text, #text, p{  
    color:rgb(88, 203, 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(88, 203, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 203, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.5210, 49.2428, 65.9725 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(88, 203, 206) }
```


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

```
.border{ border-color:rgb(88, 203, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 203, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 203, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 203, 206);  
box-shadow:4px 4px 4px 4px rgb(88, 203,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5210, 49.2428, 65.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 203, 206) }
```

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

```
.background{ background-color: rgb(88, 203,  
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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