

Converting Colors

XYZ(35.8923, 52.4506, 65.6587)

Have a look what the booklet for
XYZ(35.8923, 52.4506, 65.6587)
contains.

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Color

**XYZ(35.9123, 52.5765,
65.3822)**

Conversions

Conversions Part 1

Format	Color
Hex	30D5CC
RGB	48, 213, 204
RGB Percent	19%, 84%, 80%
CMY	0.8117, 0.1647, 0.2000
CMYK	0.77, 0.00, 0.04, 0.16
HSL	177°, 66%, 51%
HSV	177°, 77%, 84%
XYZ	35.9123, 52.5765, 65.3822
YIQ	162.6390, -95.4510, -37.7790

Conversions

Conversions Part 2

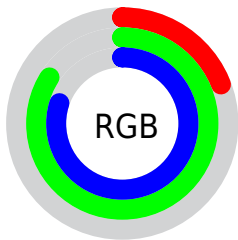
Format	Color
RYB	48, 133, 213
Decimal	3200460
CIELab	77.62, -42.08, -7.31
CIELCh	78, 42.714, 189.855
Yxy	52.5765, 0.2334, 0.3417
Android (android.graphics.Color)	4281390540 (0xFF30D5CC)
YUV	162.6390, 20.3910, -100.5384
Hunter-Lab	72.5097, -38.4851, -2.7052

Details

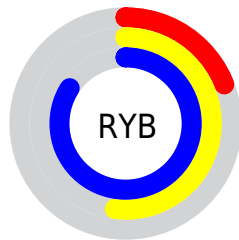
The XYZ color **35.9123, 52.5765, 65.3822** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.2379, 16.5572, 5.5277**, and the grayscale version is **34.5844, 36.3854, 39.6237**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **17.7319, 26.6557, 33.0647** is the 20% darker color. If you saturate the color by 10%, you get **34.9998, 52.1233, 64.6157**, and if you desaturate by 10%, it is **37.3108, 53.2825, 66.1792**.

Distribution



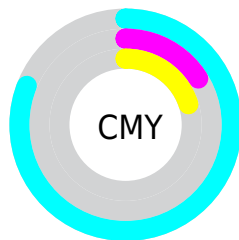
- Red (19%)
- Green (84%)
- Blue (80%)



- Red (19%)
- Yellow (52%)
- Blue (84%)



- Cyan (77%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (81%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9123, 52.5765, 65.3822 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 35.9123, 52.5765, 65.3822 by changing the saturation by 10% instead.

35.9123, 52.5765,
65.3822

35.9123, 52.5765,
65.3822

320.0150,
396.6582, 462.5079

24.5363, 37.4648,
47.3177

68.2214, 93.9809,
114.2177

15.8588, 25.5676,
32.9308

89.8853, 121.0424,
145.8258

9.5145, 16.5004,
21.8027

115.7090,
152.8559, 182.7856

5.1380, 9.8789,
13.5151

146.0582,
189.8059, 225.5155

2.3641, 5.3188,
7.6493

181.2979,
232.2767, 274.4342

0.8271, 2.4355,
3.7868

221.7938,

0.0000, 0.8441,

280.6528, 329.9601

1.5092

267.9110,
335.3185, 392.5118

■ 0.0000, 0.0000,
0.2247

■ 0.0000, 0.0000,
0.0000

■ 35.9123, 52.5765,
65.3822

■ 35.9123, 52.5765,
65.3822

■ 34.9998, 52.1233,
64.6157

■ 37.3108, 53.2825,
66.1792


■ 34.4853, 51.8740,
63.8721


■ 39.2517, 54.2667,
67.0059


■ 34.3826, 51.8251,
63.6852


■ 41.7885, 55.5581,
67.8660


■ 44.9672, 57.1803,
68.7615

 48.8292, 59.1545,
69.6945

 53.4125, 61.5005,
70.6667

 58.7522, 64.2364,
71.6798

 64.8813, 67.3790,
72.7354

 71.8305, 70.9444,
73.8349

Harmonies

Analogous

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



36.5066, 52.5765, 42.9787



35.9123, 52.5765, 65.3822



38.7540, 52.5765, 91.5871

Triad

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



35.9123, 52.5765, 65.3822



60.8465, 52.5765, 99.6998



55.6390, 52.5765, 24.3038

Complementary

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



35.9123, 52.5765, 65.3822



29.2379, 16.5572, 5.5277

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.



63.1703, 52.5765, 32.7835



35.9123, 52.5765, 65.3822



66.3988, 52.5765, 74.3677

Square

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



35.9123, 52.5765, 65.3822



52.7377, 52.5765, 114.7080



67.2931, 52.5765, 49.8160



47.3055, 52.5765, 23.1314

Rectangle

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



35.9123, 52.5765, 65.3822



42.4197, 52.5765, 106.2233



67.2931, 52.5765, 49.8160



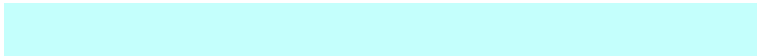
58.3722, 52.5765, 26.2551

Sweetspot

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



35.9139, 52.5785, 65.3835



76.1551, 90.3184, 105.3489



26.1332, 48.7338, 10.8270



15.7848, 19.0681, 22.4361



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.



35.9139, 52.5785, 65.3835



52.0429, 78.0616, 96.3771



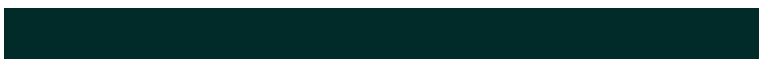
22.8301, 24.6328, 66.5042



12.7616, 14.0956, 15.8248



21.0143, 31.6611, 38.9667



1.2766, 1.9133, 2.3985

Inverse Universe

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



29.2379, 16.5572, 5.5277



41.6984, 21.7856, 3.2891



34.6328, 27.6753, 6.3143



12.4505, 12.4317, 13.0463



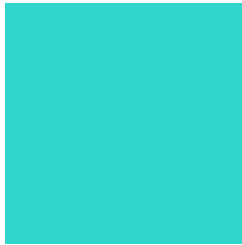
16.8130, 8.6615, 1.0534



1.0240, 0.5264, 0.1155

Previews

White Background



This preview shows how the XYZ color 35.9123, 52.5765, 65.3822 looks on a white background.

Color Contrast Check

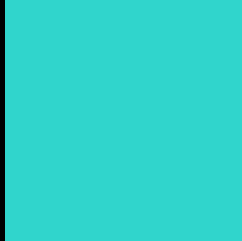
Large Text (above 18pt) WCAG AA × Fail

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 35.9123, 52.5765, 65.3822 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

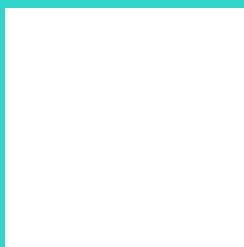
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9123, 52.5765, 65.3822

Background



This preview shows how black text looks on a background with the XYZ color 35.9123, 52.5765, 65.3822.

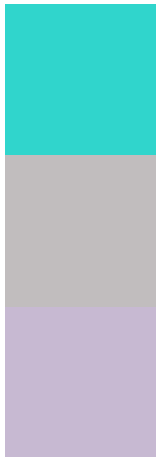


This preview shows how white text looks on a background with the XYZ color 35.9123, 52.5765,

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

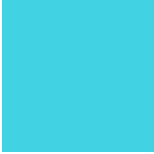
35.9123, 52.5765, 65.3822

Protanopia

49.4842, 51.4504, 56.0380

Deuteranopia

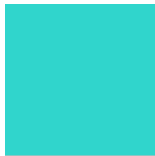
52.5350, 51.4932, 68.1431



Tritanopia

39.0917, 52.7631, 80.7970

Trichromacy



Original Color

35.9123, 52.5765, 65.3822



Protanomaly

40.8596, 49.9037, 59.1086



Deuteranomaly

42.4019, 49.5136, 66.9968



Tritanomaly

37.8841, 52.6328, 75.1803

Monochromacy



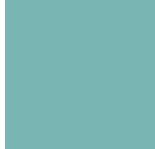
Original Color

35.9123, 52.5765, 65.3822



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.4449, 40.3270, 48.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9123, 52.5765, 65.3822 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(48, 213, 204)` looks like.

```
.text, #text, p{  
    color:rgb(48, 213, 204)  
}
```

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(48, 213, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 213, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.9123, 52.5765, 65.3822 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(48, 213, 204) }
```


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

```
.border{ border-color:rgb(48, 213, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 213, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 213, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 213, 204);  
box-shadow:4px 4px 4px 4px rgb(48, 213,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9123, 52.5765, 65.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 213, 204) }
```

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

```
.background{ background-color: rgb(48, 213,  
204) }
```

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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