

Converting Colors

XYZ(31.0961, 48.9395, 65.1513)

Have a look what the booklet for
XYZ(31.0961, 48.9395, 65.1513)
contains.

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Color

**XYZ(33.9457, 50.4528,
65.0760)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2CC
RGB	0, 210, 204
RGB Percent	0%, 82%, 80%
CMY	0.9998, 0.1765, 0.2000
CMYK	1.00, 0.00, 0.03, 0.18
HSL	178°, 100%, 41%
HSV	178°, 100%, 82%
XYZ	33.9457, 50.4528, 65.0760
YIQ	146.5260, -123.2340, -46.3860

Conversions

Conversions Part 2

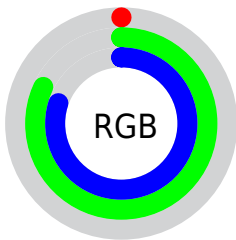
Format	Color
RYB	0, 107, 210
Decimal	53964
CIELab	76.35, -43.30, -9.25
CIELCh	76, 44.275, 192.059
Yxy	50.4528, 0.2271, 0.3375
Android (android.graphics.Color)	4278244044 (0xFF00D2CC)
YUV	146.5260, 28.3347, -128.5033
Hunter-Lab	71.0301, -38.9966, -4.5989

Details

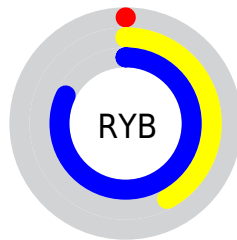
The XYZ color **33.9457, 50.4528, 65.0760** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.6129, 13.7164, 1.4186**, and the grayscale version is **27.4677, 28.8981, 31.4700**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.2264, 25.6447, 32.8962** is the 20% darker color. If you saturate the color by 10%, you get **33.9464, 50.4543, 65.0763**, and if you desaturate by 10%, it is **34.3291, 50.6432, 65.4717**.

Distribution



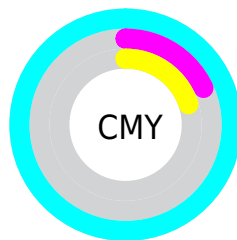
- Red (0%)
- Green (82%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9457, 50.4528, 65.0760 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 33.9457, 50.4528, 65.0760 by changing the saturation by 10% instead.

33.9457, 50.4528,
65.0760

33.9457, 50.4528,
65.0760

311.4800,
388.4340, 461.3787

23.0146, 35.7733,
47.0710

65.1941, 90.8454,
113.7734

14.7250, 24.2592,
32.7370

86.2420, 117.3273,
145.3029

8.7117, 15.5260,
21.6556

111.3930,
148.5121, 182.1777

4.6092, 9.1894,
13.4082

141.0123,
184.7843, 224.8162

2.0522, 4.8649,
7.5762

175.4653,
226.5282, 273.6370

0.6630, 2.1682,
3.7411

215.1173,

0.0000, 0.7026,

274.1282, 329.0586

1.4844

260.3338,
327.9686, 391.4997

■ 0.0000, 0.0000,
0.2063

■ 0.0000, 0.0000,
0.0000

■ 33.9457, 50.4528,
65.0760

■ 33.9457, 50.4528,
65.0760

■ 33.9464, 50.4543,
65.0763

■ 34.3291, 50.6432,
65.4717

■ 35.0481, 51.0055,
65.8834

■ 36.2170, 51.5997,
66.3176

■ 37.8976, 52.4576,
66.7772

■ 40.1418, 53.6061,
67.2647

■ 42.9955, 55.0687,
67.7821

■ 46.4994, 56.8666,
68.3314

■ 50.6911, 59.0189,
68.9144

■ 55.6052, 61.5436,
69.5326

Harmonies

Analogous

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



34.2844, 50.4528, 41.9926



33.9457, 50.4528, 65.0760



37.0274, 50.4528, 91.7085

Triad

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



33.9457, 50.4528, 65.0760



59.4920, 50.4528, 96.4677



53.0538, 50.4528, 21.8523

Complementary

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



33.9457, 50.4528, 65.0760



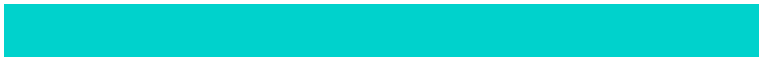
26.6129, 13.7164, 1.4186

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.



60.8426, 50.4528, 29.5983



33.9457, 50.4528, 65.0760



64.8454, 50.4528, 70.2948

Square

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



33.9457, 50.4528, 65.0760



51.3753, 50.4528, 113.0432



65.3664, 50.4528, 45.9055



44.6878, 50.4528, 21.2006

Rectangle

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



33.9457, 50.4528, 65.0760



40.8401, 50.4528, 106.1806



65.3664, 50.4528, 45.9055



55.8492, 50.4528, 23.5801

Sweetspot

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



33.9472, 50.4547, 65.0772



71.9349, 88.1242, 105.9909



23.1358, 46.1402, 7.6880



14.8771, 18.5954, 22.6075



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.



33.9472, 50.4547, 65.0772



52.6584, 78.2794, 100.9060



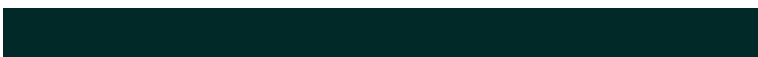
17.4307, 16.2474, 63.1921



12.1432, 13.4010, 15.1103



20.7129, 30.7781, 39.7297



1.1628, 1.7228, 2.2462

Inverse Universe

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



26.6129, 13.7164, 1.4186



41.2799, 21.2760, 2.1403



30.9497, 22.4427, 2.7021



11.8222, 11.8136, 12.3397



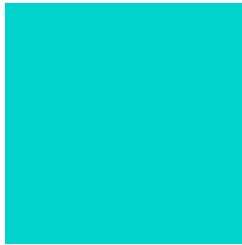
16.2388, 8.3683, 0.8975



0.9129, 0.4699, 0.0761

Previews

White Background



This preview shows how the XYZ color 33.9457, 50.4528, 65.0760 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 33.9457, 50.4528, 65.0760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

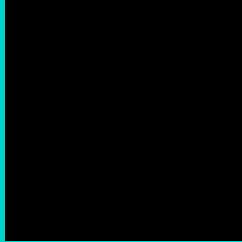
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

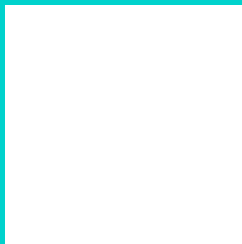
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9457, 50.4528, 65.0760

Background



This preview shows how black text looks on a background with the XYZ color 33.9457, 50.4528, 65.0760.

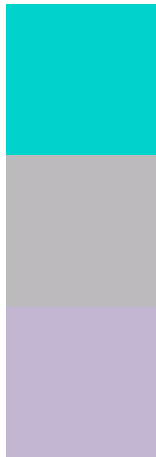


This preview shows how white text looks on a background with the XYZ color 33.9457, 50.4528,

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

33.9457, 50.4528, 65.0760

Protanopia

47.8394, 49.6543, 55.7780

Deuteranopia

50.6089, 49.5784, 67.8750



Tritanopia

36.7636, 50.5211, 78.3349

Trichromacy



Original Color

33.9457, 50.4528, 65.0760



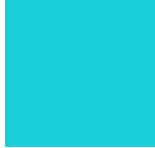
Protanomaly

37.1112, 46.9634, 58.7386



Deuteranomaly

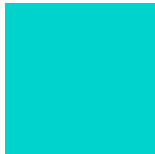
38.4032, 46.4643, 66.6190



Tritanomaly

35.5323, 50.3545, 73.4923

Monochromacy



Original Color

33.9457, 50.4528, 65.0760



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.0587, 33.9563, 42.2266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9457, 50.4528, 65.0760 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, 210, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 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(0, 210, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.9457, 50.4528, 65.0760 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, 210, 204) }
```


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

```
.border{ border-color:rgb(0, 210, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9457, 50.4528, 65.0760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 204) }
```

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

```
.background{ background-color: rgb(0, 210,  
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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