

Converting Colors

XYZ(32.7088, 47.8643, 65.0177)

Have a look what the booklet for
XYZ(32.7088, 47.8643, 65.0177)
contains.

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Color

**XYZ(32.8508, 48.0704,
65.3047)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDCD
RGB	0, 205, 205
RGB Percent	0%, 80%, 80%
CMY	0.9998, 0.1961, 0.1961
CMYK	1.00, 0.00, 0.00, 0.20
HSL	180°, 100%, 40%
HSV	180°, 100%, 80%
XYZ	32.8508, 48.0704, 65.3047
YIQ	143.7050, -122.1800, -43.4600

Conversions

Conversions Part 2

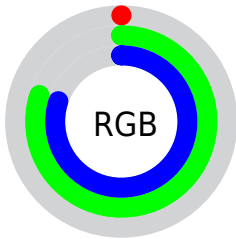
Format	Color
RYB	0, 103, 205
Decimal	52685
CIELab	74.87, -40.79, -11.99
CIELCh	75, 42.514, 196.386
Yxy	48.0704, 0.2247, 0.3287
Android (android.graphics.Color)	4278242765 (0xFF00CDCD)
YUV	143.7050, 30.2184, -126.0293
Hunter-Lab	69.3328, -36.7568, -7.3124

Details

The XYZ color **32.8508, 48.0704, 65.3047** 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 **25.1785, 12.9808, 1.1800**, and the grayscale version is **26.3150, 27.6854, 30.1494**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.4923, 24.0471, 33.0505** is the 20% darker color. If you saturate the color by 10%, you get **32.8516, 48.0719, 65.3058**, and if you desaturate by 10%, it is **33.1515, 48.2264, 65.3200**.

Distribution



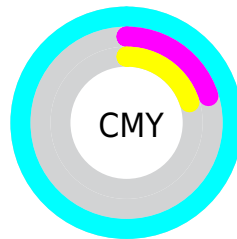
- Red (0%)
- Green (80%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8508, 48.0704, 65.3047 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 32.8508, 48.0704, 65.3047 by changing the saturation by 10% instead.


 32.8508, 48.0704,
65.3047


 32.8508, 48.0704,
65.3047


306.6538,
379.0711, 462.2223


 22.1709, 33.8826,
47.2553


 63.4988, 87.3092,
114.1053


 14.0998, 22.8035,
32.8817


 84.1975, 113.1291,
145.6935


 8.2723, 14.4484,
21.7655


 108.9665,
143.5951, 182.6318

 4.3229, 8.4332,
13.4880

 138.1712,
179.0916, 225.3386

 1.8864, 4.3734,
7.6308

 172.1770,
220.0031, 274.2325

 0.5689, 1.8845,
3.7752

211.3490,

 0.0000, 0.5391,

266.7139, 329.7321

1.5029

256.0529,
319.6084, 392.2558

■ 0.0000, 0.0000,
0.2201

■ 0.0000, 0.0000,
0.0000

■ 32.8508, 48.0704,
65.3047

■ 32.8508, 48.0704,
65.3047

■ 32.8516, 48.0719,
65.3058

■ 33.1515, 48.2264,
65.3200

■ 33.7682, 48.5444,
65.3489

■ 34.8103, 49.0816,
65.3978

■ 36.3359, 49.8681,
65.4693

■ 38.3941, 50.9291,
65.5657

■ 41.0277, 52.2868,
65.6890

■ 44.2755, 53.9611,
65.8411

■ 48.1727, 55.9701,
66.0236

■ 52.7519, 58.3308,
66.2380

Harmonies

Analogous

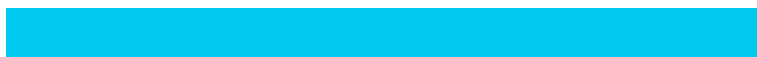
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7015, 48.0704, 42.9385



32.8508, 48.0704, 65.3047



36.1761, 48.0704, 89.6472

Triad

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



32.8508, 48.0704, 65.3047



57.3297, 48.0704, 87.5763



49.2815, 48.0704, 20.8903

Complementary

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



32.8508, 48.0704, 65.3047



25.1785, 12.9808, 1.1800

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.



56.7396, 48.0704, 27.1552



32.8508, 48.0704, 65.3047



61.7283, 48.0704, 63.0236

Square

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



32.8508, 48.0704, 65.3047



50.0165, 48.0704, 104.7839



61.5008, 48.0704, 41.2167



41.6195, 48.0704, 21.1809

Rectangle

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



32.8508, 48.0704, 65.3047



39.9853, 48.0704, 101.8930



61.5008, 48.0704, 41.2167



51.9119, 48.0704, 22.2019

Sweetspot

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



32.8523, 48.0722, 65.3059



72.2850, 88.2642, 107.8342



21.8757, 43.6865, 7.2808



14.9625, 18.6295, 23.0571



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.



32.8523, 48.0722, 65.3059



53.8097, 78.7399, 106.9685



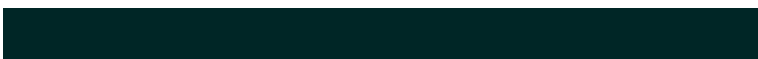
16.1686, 14.7046, 59.7455



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6541



1.0550, 1.5438, 2.0973

Inverse Universe

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



25.1785, 12.9808, 1.1800



41.2400, 21.2600, 1.9301



29.6503, 21.9244, 2.6706



11.2124, 11.2137, 11.6530



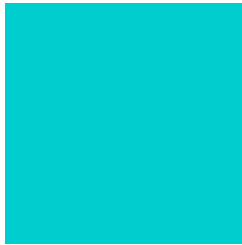
15.6735, 8.0800, 0.7335



0.8086, 0.4168, 0.0378

Previews

White Background



This preview shows how the XYZ color 32.8508, 48.0704, 65.3047 looks on a white background.

Color Contrast Check

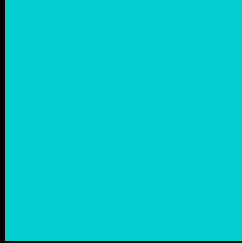
Large Text (above 18pt) WCAG AA × Fail

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 32.8508, 48.0704, 65.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

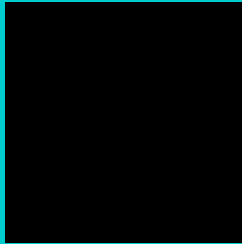
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

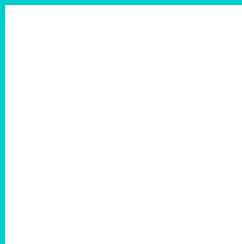
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8508, 48.0704, 65.3047

Background



This preview shows how black text looks on a background with the XYZ color 32.8508, 48.0704, 65.3047.



This preview shows how white text looks on a background with the XYZ color 32.8508, 48.0704,

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

32.8508, 48.0704, 65.3047

Protanopia

45.8991, 47.4078, 56.0217

Deuteranopia

48.1718, 47.1087, 68.1820



Tritanopia

34.9051, 48.2197, 74.4855

Trichromacy



Original Color

32.8508, 48.0704, 65.3047



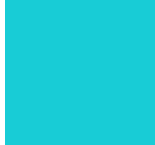
Protanomaly

35.7134, 44.5943, 58.9498



Deuteranomaly

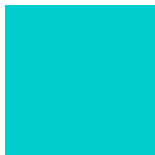
37.0996, 44.4918, 66.9540



Tritanomaly

34.1072, 48.2350, 71.1310

Monochromacy



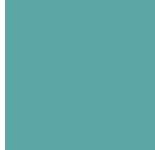
Original Color

32.8508, 48.0704, 65.3047



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.9328, 32.3009, 40.9970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8508, 48.0704, 65.3047 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, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 32.8508, 48.0704, 65.3047 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, 205, 205) }
```


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

```
.border{ border-color:rgb(0, 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(0, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8508, 48.0704, 65.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 205) }
```

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

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