

Converting Colors

XYZ(31.3682, 46.7590, 64.9105)

Have a look what the booklet for
XYZ(31.3682, 46.7590, 64.9105)
contains.

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Color

**XYZ(32.3754, 47.1196,
65.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBCD
RGB	0, 203, 205
RGB Percent	0%, 80%, 80%
CMY	0.9998, 0.2039, 0.1961
CMYK	1.00, 0.01, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	32.3754, 47.1196, 65.1462
YIQ	142.5310, -121.6300, -42.4140

Conversions

Conversions Part 2

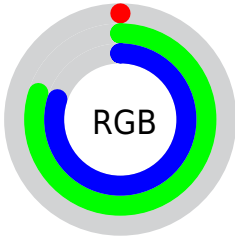
Format	Color
RYB	0, 102, 205
Decimal	52173
CIELab	74.27, -39.89, -12.90
CIELCh	74, 41.921, 197.918
Yxy	47.1196, 0.2238, 0.3258
Android (android.graphics.Color)	4278242253 (0xFF00CBCD)
YUV	142.5310, 30.7972, -124.9997
Hunter-Lab	68.6437, -35.9380, -8.2185

Details

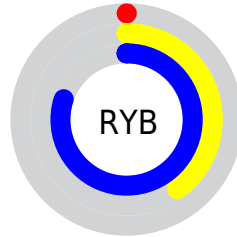
The XYZ color **32.3754, 47.1196, 65.1462** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.1997, 13.0240, 1.1872**, and the grayscale version is **25.8444, 27.1904, 29.6103**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.1758, 23.4142, 32.9450** is the 20% darker color. If you saturate the color by 10%, you get **32.3761, 47.1208, 65.1473**, and if you desaturate by 10%, it is **32.7233, 47.3701, 65.1771**.

Distribution



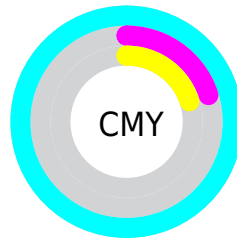
- Red (0%)
- Green (80%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3754, 47.1196, 65.1462 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 32.3754, 47.1196, 65.1462 by changing the saturation by 10% instead.

■ 32.3754, 47.1196,
65.1462

■ 32.3754, 47.1196,
65.1462

304.5408,
375.2917, 461.6377

■ 21.8053, 33.1302,
47.1275

■ 62.7604, 85.8921,
113.8753

■ 13.8297, 22.2262,
32.7814

■ 83.3060, 111.4440,
145.4228

■ 8.0832, 14.0232,
21.6893

■ 107.9075,
141.6189, 182.3171

■ 4.2005, 8.1368,
13.4327

■ 136.9302,
176.8012, 224.9766

■ 1.8162, 4.1826,
7.5929

■ 170.7396,
217.3752, 273.8198

■ 0.5274, 1.7762,
3.7516

209.7009,

■ 0.0000, 0.4723,

263.7254, 329.2654

1.4901

254.1795,
316.2361, 391.7319

■ 0.0000, 0.0000,
0.2105

■ 0.0000, 0.0000,
0.0000

■ 32.3754, 47.1196,
65.1462

■ 32.3754, 47.1196,
65.1462

■ 32.3761, 47.1208,
65.1473

■ 32.7233, 47.3701,
65.1771

■ 33.3873, 47.7826,
65.2217

■ 34.4767, 48.4146,
65.2863

■ 36.0498, 49.2959,
65.3735

■ 38.1553, 50.4518,
65.4856

■ 40.8365, 51.9046,
65.6247

■ 44.1318, 53.6741,
65.7926

■ 48.0766, 55.7785,
65.9909

■ 52.7035, 58.2346,
66.2211

Harmonies

Analogous

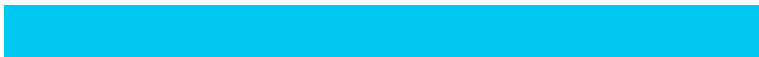
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0692, 47.1196, 43.1071



32.3754, 47.1196, 65.1462



35.7675, 47.1196, 88.6368

Triad

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



32.3754, 47.1196, 65.1462



56.4119, 47.1196, 84.4091



47.8848, 47.1196, 20.5052

Complementary

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



32.3754, 47.1196, 65.1462



25.1997, 13.0240, 1.1872

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.



55.2053, 47.1196, 26.2766



32.3754, 47.1196, 65.1462



60.4852, 47.1196, 60.4819

Square

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



32.3754, 47.1196, 65.1462



49.3886, 47.1196, 101.7280



60.0204, 47.1196, 39.5782



40.4782, 47.1196, 21.1036

Rectangle

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



32.3754, 47.1196, 65.1462



39.5610, 47.1196, 100.1101



60.0204, 47.1196, 39.5782



50.4514, 47.1196, 21.6788

Sweetspot

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



32.3768, 47.1213, 65.1473



72.0475, 87.7892, 107.7554



21.8326, 43.6637, 7.2787



14.9046, 18.5136, 23.0379



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.



32.3768, 47.1213, 65.1473



53.0218, 77.1637, 106.7073



15.8236, 14.0148, 59.6296



11.5336, 12.7075, 14.4153



20.1594, 29.3428, 40.5575



1.0431, 1.5199, 2.0933

Inverse Universe

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



35.9576, 17.2924, 57.9442



58.8922, 28.3209, 94.8851



29.9808, 22.5860, 2.7809



11.6827, 11.4018, 14.1295



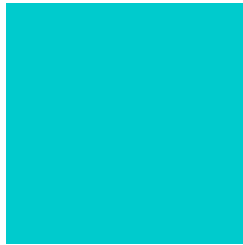
22.3864, 10.7652, 36.0833



1.1564, 0.5560, 1.8697

Previews

White Background



This preview shows how the XYZ color 32.3754, 47.1196, 65.1462 looks on a white background.

Color Contrast Check

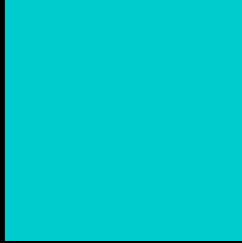
Large Text (above 18pt) WCAG AA × Fail

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 32.3754, 47.1196, 65.1462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

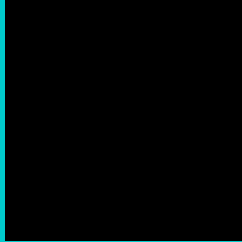
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

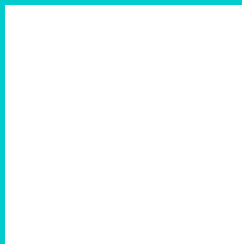
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3754, 47.1196, 65.1462

Background



This preview shows how black text looks on a background with the XYZ color 32.3754, 47.1196, 65.1462.

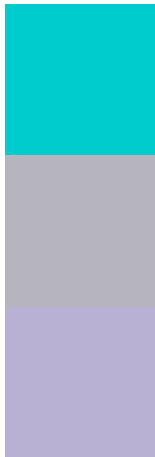


This preview shows how white text looks on a background with the XYZ color 32.3754, 47.1196,

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

32.3754, 47.1196, 65.1462

Protanopia

45.0166, 46.3492, 55.8639

Deuteranopia

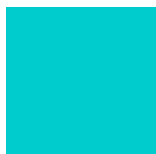
47.4876, 46.4617, 68.0932



Tritanopia

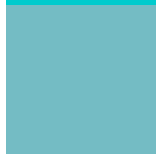
34.1042, 47.1404, 72.9472

Trichromacy



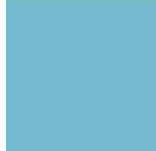
Original Color

32.3754, 47.1196, 65.1462



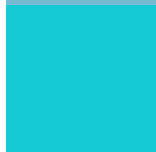
Protanomaly

35.1495, 43.6650, 58.8002



Deuteranomaly

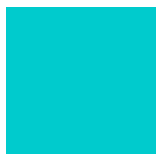
36.5387, 43.5728, 66.8062



Tritanomaly

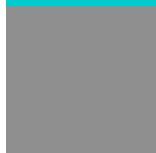
33.4616, 47.2157, 70.3007

Monochromacy



Original Color

32.3754, 47.1196, 65.1462



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.6525, 31.8876, 40.9320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3754, 47.1196, 65.1462 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, 203, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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, 203, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 205) }
```

Border

The CSS property to change the border of an element to XYZ 32.3754, 47.1196, 65.1462 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, 203, 205) }
```


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

```
.border{ border-color:rgb(0, 203, 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, 203, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3754, 47.1196, 65.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 205) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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