

Converting Colors

XYZ(32.2514, 46.5707, 66.0327)

Have a look what the booklet for
XYZ(32.2514, 46.5707, 66.0327)
contains.

XYZ(32.3830, 46.7461, 66.3476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.3830, 46.7461,
66.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	00CACF
RGB	0, 202, 207
RGB Percent	0%, 79%, 81%
CMY	0.9998, 0.2078, 0.1882
CMYK	1.00, 0.02, 0.00, 0.19
HSL	181°, 100%, 41%
HSV	181°, 100%, 81%
XYZ	32.3830, 46.7461, 66.3476
YIQ	142.1720, -121.9970, -41.2690

Conversions

Conversions Part 2

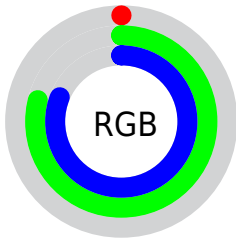
Format	Color
RYB	0, 102, 207
Decimal	51919
CIELab	74.03, -38.83, -14.34
CIELCh	74, 41.393, 200.268
Yxy	46.7461, 0.2226, 0.3213
Android (android.graphics.Color)	4278241999 (0xFF00CACF)
YUV	142.1720, 31.9602, -124.6848
Hunter-Lab	68.3711, -35.1055, -9.6755

Details

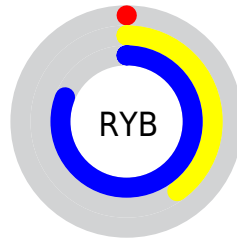
The XYZ color **32.3830, 46.7461, 66.3476** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.7875, 13.3751, 1.2238**, and the grayscale version is **25.6970, 27.0353, 29.4414**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.1835, 23.1673, 33.7558** is the 20% darker color. If you saturate the color by 10%, you get **32.3836, 46.7470, 66.3486**, and if you desaturate by 10%, it is **32.8053, 47.1392, 66.4021**.

Distribution



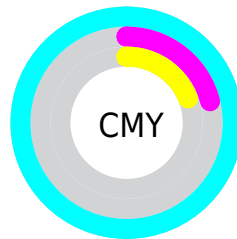
- Red (0%)
- Green (79%)
- Blue (81%)



- Red (0%)
- Yellow (40%)
- Blue (81%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3830, 46.7461, 66.3476 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 32.3830, 46.7461, 66.3476 by changing the saturation by 10% instead.


 32.3830, 46.7461,
66.3476


 32.3830, 46.7461,
66.3476


304.5746,
373.8002, 466.0571


 21.8112, 32.8350,
48.0964

 62.7722, 85.3345,
115.6168

 13.8340, 22.0001,
33.5427


 83.3202, 110.7806,
147.4719


 8.0863, 13.8569,
22.2680


 107.9244,
140.8404, 184.6987

 4.2025, 8.0212,
13.8537

 136.9501,
175.8985, 227.7158

 1.8173, 4.1085,
7.8814

 170.7626,
216.3390, 276.9416

 0.5281, 1.7345,
3.9325

209.7273,

 0.0000, 0.4458,

262.5466, 332.7947

1.5884

254.2095,
314.9055, 395.6937

■ 0.0000, 0.0000,
0.2825

■ 0.0000, 0.0000,
0.0000

■ 32.3830, 46.7461,
66.3476

■ 32.3830, 46.7461,
66.3476

■ 32.3836, 46.7470,
66.3486

■ 32.8053, 47.1392,
66.4021

■ 33.5515, 47.6989,
66.4708

■ 34.7332, 48.4836,
66.5600

■ 36.4097, 49.5240,
66.6724

■ 38.6314, 50.8460,
66.8105

■ 41.4422, 52.4723,
66.9763

■ 44.8817, 54.4233,
67.1716

■ 48.9861, 56.7176,
67.3981

■ 53.7888, 59.3724,
67.6574

Harmonies

Analogous

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



31.8388, 46.7461, 44.3208



32.3830, 46.7461, 66.3476



35.9481, 46.7461, 89.0753

Triad

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



32.3830, 46.7461, 66.3476



56.2867, 46.7461, 81.6155



46.8778, 46.7461, 20.3890

Complementary

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



32.3830, 46.7461, 66.3476



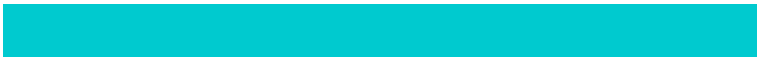
25.7875, 13.3751, 1.2238

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.



54.1528, 46.7461, 25.5664



32.3830, 46.7461, 66.3476



59.9694, 46.7461, 58.0969

Square

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



32.3830, 46.7461, 66.3476



49.5404, 46.7461, 99.4501



59.1478, 46.7461, 38.0557



39.6852, 46.7461, 21.4589

Rectangle

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



32.3830, 46.7461, 66.3476



39.8012, 46.7461, 99.6538



59.1478, 46.7461, 38.0557



49.4061, 46.7461, 21.3857

Sweetspot

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



32.3844, 46.7478, 66.3487



71.6985, 87.0911, 107.6391



22.3328, 44.6342, 7.5385



14.8194, 18.3434, 23.0095



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.



32.3844, 46.7478, 66.3487



51.8767, 74.8734, 106.3256



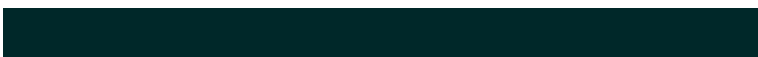
15.8274, 13.6338, 60.8297



12.1329, 13.3560, 15.1822



20.4135, 29.4736, 41.8056



1.1493, 1.6638, 2.3401

Inverse Universe

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



36.3940, 17.5310, 57.3446



58.3141, 28.0897, 91.8412



30.9875, 23.7752, 2.9571



12.2980, 12.0039, 14.8449



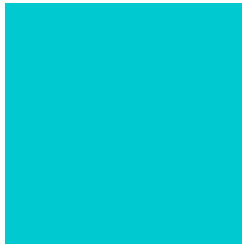
22.9345, 11.0466, 36.1569



1.2864, 0.6193, 2.0427

Previews

White Background



This preview shows how the XYZ color 32.3830, 46.7461, 66.3476 looks on a white background.

Color Contrast Check

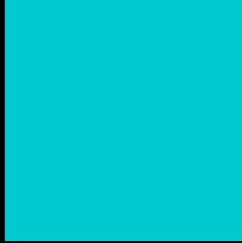
Large Text (above 18pt) WCAG AA × Fail

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 32.3830, 46.7461, 66.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

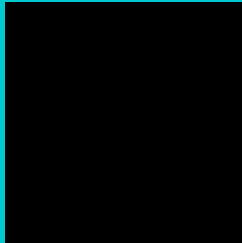
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

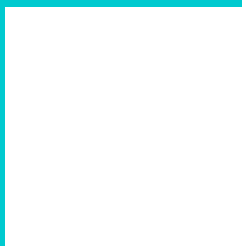
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3830, 46.7461, 66.3476

Background



This preview shows how black text looks on a background with the XYZ color 32.3830, 46.7461, 66.3476.

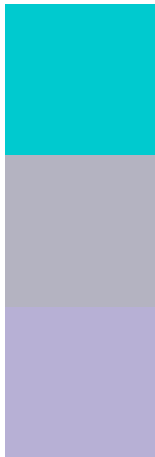


This preview shows how white text looks on a background with the XYZ color 32.3830, 46.7461,

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

32.3830, 46.7461, 66.3476

Protanopia

44.5681, 45.7938, 56.9422

Deuteranopia

47.0640, 45.9220, 69.3341



Tritanopia

33.7437, 46.6096, 72.8637

Trichromacy



Original Color

32.3830, 46.7461, 66.3476

Protanomaly

35.0336, 43.2627, 59.9302

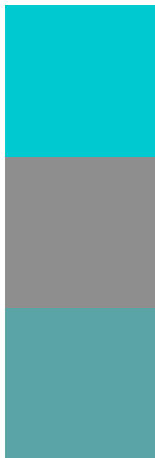
Deuteranomaly

36.3093, 43.1141, 68.0362

Tritanomaly

33.1854, 46.7261, 70.2208

Monochromacy



Original Color

32.3830, 46.7461, 66.3476

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.3748, 31.4778, 40.8675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3830, 46.7461, 66.3476 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, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 207)  
}
```

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, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.3830, 46.7461, 66.3476 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, 202, 207) }
```


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

```
.border{ border-color:rgb(0, 202, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3830, 46.7461, 66.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 207) }
```

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

```
.background{ background-color: rgb(0, 202,  
207) }
```

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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