

Converting Colors

XYZ(33.4116, 48.3871, 64.0860)

Have a look what the booklet for
XYZ(33.4116, 48.3871, 64.0860)
contains.

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Color

**XYZ(33.4101, 48.3865,
64.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	26CDCB
RGB	38, 205, 203
RGB Percent	15%, 80%, 80%
CMY	0.8509, 0.1961, 0.2039
CMYK	0.81, 0.00, 0.01, 0.20
HSL	179°, 69%, 48%
HSV	179°, 81%, 80%
XYZ	33.4101, 48.3865, 64.0785
YIQ	154.8390, -98.8900, -36.0260

Conversions

Conversions Part 2

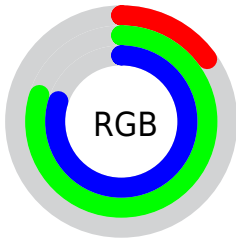
Format	Color
RYB	38, 122, 205
Decimal	2543051
CIELab	75.07, -39.66, -10.59
CIELCh	75, 41.052, 194.947
Yxy	48.3865, 0.2290, 0.3317
Android (android.graphics.Color)	4280733131 (0xFF26CDCB)
YUV	154.8390, 23.7434, -102.4678
Hunter-Lab	69.5604, -35.9966, -5.9252

Details

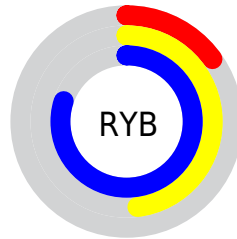
The XYZ color **33.4101, 48.3865, 64.0785** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.2545, 14.5200, 3.4278**, and the grayscale version is **31.0167, 32.6320, 35.5362**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **16.3312, 23.9826, 32.2021** is the 20% darker color. If you saturate the color by 10%, you get **32.8229, 48.0882, 63.8993**, and if you desaturate by 10%, it is **34.4160, 48.9027, 64.2797**.

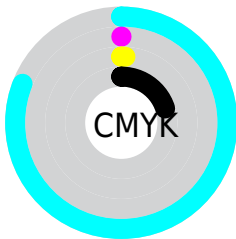
Distribution



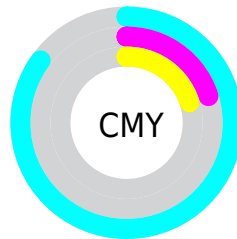
- Red (15%)
- Green (80%)
- Blue (80%)



- Red (15%)
- Yellow (48%)
- Blue (80%)



- Cyan (81%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (85%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4101, 48.3865, 64.0785 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 33.4101, 48.3865, 64.0785 by changing the saturation by 10% instead.


 33.4101, 48.3865,
64.0785


 33.4101, 48.3865,
64.0785


309.1260,
380.3221, 457.6883


 22.6015, 34.1331,
46.2677

 64.3657, 87.7796,
112.3245

 14.4186, 22.9958,
32.1069


 85.2434, 113.6880,
143.5968

 8.4960, 14.5904,
21.1777


 110.2082,
144.2503, 180.1933

 4.4684, 8.5325,
13.0614

 139.6254,
179.8507, 222.5326

 1.9704, 4.4375,
7.3396

 173.8605,
220.8737, 271.0332

 0.6173, 1.9212,
3.5938

213.2787,

 0.0000, 0.5611,

267.7036, 326.1137

1.4052

258.2454,
320.7250, 388.1925

■ 0.0000, 0.0000,
0.1458

■ 0.0000, 0.0000,
0.0000

■ 33.4101, 48.3865,
64.0785

■ 33.4101, 48.3865,
64.0785

■ 32.8229, 48.0882,
63.8993


■ 34.4160, 48.9027,
64.2797


■ 32.5575, 47.9543,
63.7566


■ 35.8961, 49.6623,
64.5022


■ 37.9018, 50.6930,
64.7496


■ 40.4771, 52.0172,
65.0238

 43.6611, 53.6551,
65.3268

 47.4895, 55.6253,
65.6602

 51.9953, 57.9447,
66.0255

 57.2092, 60.6292,
66.4242

 63.1600, 63.6935,
66.8577

Harmonies

Analogous

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



33.4156, 48.3865, 42.6647



33.4101, 48.3865, 64.0785



36.5148, 48.3865, 87.6029

Triad

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



33.4101, 48.3865, 64.0785



56.9553, 48.3865, 87.6783



49.8400, 48.3865, 22.0061

Complementary

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



33.4101, 48.3865, 64.0785



26.2545, 14.5200, 3.4278

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.



56.9769, 48.3865, 28.5511



33.4101, 48.3865, 64.0785



61.3787, 48.3865, 64.1621

Square

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



33.4101, 48.3865, 64.0785



49.8130, 48.3865, 103.5457



61.3871, 48.3865, 42.7285



42.3676, 48.3865, 21.9951

Rectangle

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



33.4101, 48.3865, 64.0785



40.1464, 48.3865, 99.6885



61.3871, 48.3865, 42.7285



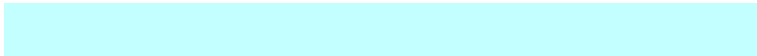
52.3746, 48.3865, 23.4152

Sweetspot

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



33.4116, 48.3883, 64.0797



75.8889, 90.1357, 107.3879



23.0885, 44.2714, 9.1633



15.7563, 19.0421, 22.9431



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.



33.4116, 48.3883, 64.0797



53.3952, 78.5815, 104.4527



19.0639, 19.3088, 60.4817



11.5373, 12.7247, 14.3866



20.2703, 29.8534, 39.7038



1.0476, 1.5409, 2.0583

Inverse Universe

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



26.2545, 14.5200, 3.4278



41.3397, 21.3885, 2.1820



32.0920, 26.2480, 5.2099



11.2177, 11.2158, 11.6810



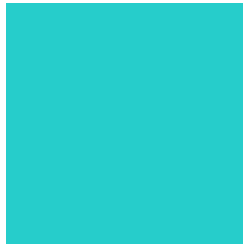
15.6844, 8.0844, 0.7908



0.8111, 0.4178, 0.0511

Previews

White Background



This preview shows how the XYZ color 33.4101, 48.3865, 64.0785 looks on a white background.

Color Contrast Check

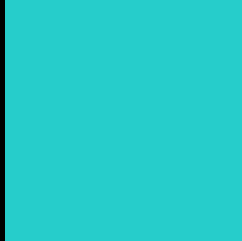
Large Text (above 18pt) WCAG AA × Fail

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 33.4101, 48.3865, 64.0785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

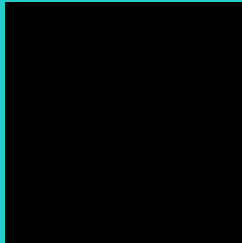
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

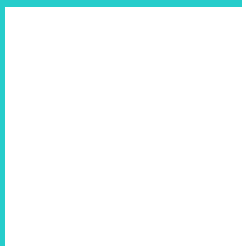
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4101, 48.3865, 64.0785

Background



This preview shows how black text looks on a background with the XYZ color 33.4101, 48.3865, 64.0785.

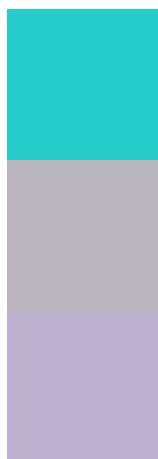


This preview shows how white text looks on a background with the XYZ color 33.4101, 48.3865,

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

33.4101, 48.3865, 64.0785

Protanopia

45.9208, 47.4443, 54.8815

Deuteranopia

48.6150, 47.6625, 66.9591



Tritanopia

35.6103, 48.5832, 74.5185

Trichromacy



Original Color

33.4101, 48.3865, 64.0785



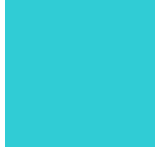
Protanomaly

37.6668, 45.6275, 57.8607



Deuteranomaly

39.0772, 45.5398, 65.7619



Tritanomaly

34.8220, 48.6182, 70.4997

Monochromacy



Original Color

33.4101, 48.3865, 64.0785



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.0721, 36.3104, 44.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4101, 48.3865, 64.0785 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(38, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(38, 205, 203)  
}
```

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(38, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 205, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.4101, 48.3865, 64.0785 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(38, 205, 203) }
```


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

```
.border{ border-color:rgb(38, 205, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 205, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(38, 205,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4101, 48.3865, 64.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 205, 203) }
```

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

```
.background{ background-color: rgb(38, 205,  
203) }
```

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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