

Converting Colors

XYZ(32.9685, 45.2442, 64.1653)

Have a look what the booklet for
XYZ(32.9685, 45.2442, 64.1653)
contains.

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Color

**XYZ(33.0453, 45.4160,
64.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	41C5CC
RGB	65, 197, 204
RGB Percent	25%, 77%, 80%
CMY	0.7451, 0.2274, 0.2000
CMYK	0.68, 0.03, 0.00, 0.20
HSL	183°, 58%, 53%
HSV	183°, 68%, 80%
XYZ	33.0453, 45.4160, 64.1512
YIQ	158.3300, -80.9190, -25.8070

Conversions

Conversions Part 2

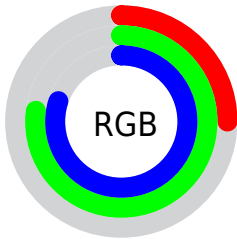
Format	Color
RYB	65, 133, 204
Decimal	4310476
CIELab	73.16, -32.75, -13.93
CIELCh	73, 35.590, 203.047
Yxy	45.4160, 0.2317, 0.3185
Android (android.graphics.Color)	4282500556 (0xFF41C5CC)
YUV	158.3300, 22.5153, -81.8504
Hunter-Lab	67.3914, -30.4077, -9.2653




Details

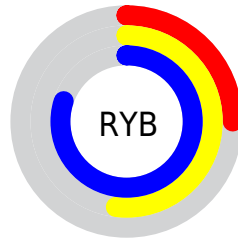
The XYZ color **33.0453, 45.4160, 64.1512** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.1743, 17.8548, 6.9636**, and the grayscale version is **32.5781, 34.2747, 37.3251**.




A 20% lighter version of the original color is **62.8519, 82.9289, 107.3020**, and **15.3275, 21.8469, 32.2632** is the 20% darker color. If you saturate the color by 10%, you get **31.6988, 44.3778, 64.0226**, and if you desaturate by 10%, it is **34.8837, 46.7121, 64.3053**.

Distribution







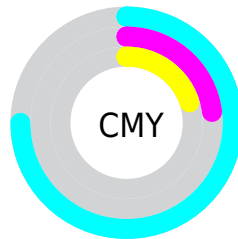
-  Red (25%)
-  Green (77%)
-  Blue (80%)






-  Red (25%)
-  Yellow (52%)
-  Blue (80%)



-  Cyan (68%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (20%)



-  Cyan (75%)
-  Magenta (23%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0453, 45.4160, 64.1512 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 33.0453, 45.4160, 64.1512 by changing the saturation by 10% instead.

■ 33.0453, 45.4160,
64.1512

■ 33.0453, 45.4160,
64.1512

307.5152,
368.4558, 457.9579

■ 22.3206, 31.7852,
46.3262

■ 63.8005, 83.3443,
112.4302

■ 14.2105, 21.1975,
32.1528

■ 84.5616, 108.4106,
143.7213

■ 8.3499, 13.2684,
21.2124

■ 109.3988,
138.0576, 180.3382

■ 4.3733, 7.6137,
13.0866

■ 138.6776,
172.6696, 222.6993

■ 1.9154, 3.8487,
7.3568

172.7633,
212.6310, 271.2233

■ 0.5858, 1.5893,
3.6044

212.0212,

■ 0.0000, 0.3504,

258.3262, 326.3287

1.4109

256.8167,
310.1397, 388.4341

■ 0.0000, 0.0000,
0.1502

■ 0.0000, 0.0000,
0.0000

■ 33.0453, 45.4160,
64.1512

■ 33.0453, 45.4160,
64.1512

■ 31.6988, 44.3778,
64.0226

■ 34.8837, 46.7121,
64.3053

■ 30.7845, 43.5637,
63.9137


■ 37.2569, 48.2854,
64.4839


■ 30.2213, 42.9330,
63.8216


■ 40.2080, 50.1589,
64.6900


■ 30.1310, 42.8232,
63.8052


■ 43.7744, 52.3519,
64.9253

 47.9905, 54.8823,
65.1915

 52.8880, 57.7664,
65.4901

 58.4967, 61.0194,
65.8224

 64.8445, 64.6559,
66.1897

 71.9578, 68.6894,
66.5933

Harmonies

Analogous

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



32.3234, 45.4160, 45.4084



33.0453, 45.4160, 64.1512



36.3514, 45.4160, 82.2866

Triad

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



33.0453, 45.4160, 64.1512



53.4764, 45.4160, 73.1032



44.6345, 45.4160, 22.5929

Complementary

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



33.0453, 45.4160, 64.1512



28.1743, 17.8548, 6.9636

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.



50.7844, 45.4160, 26.7691



33.0453, 45.4160, 64.1512



56.1981, 45.4160, 53.7252

Square

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



33.0453, 45.4160, 64.1512



48.0336, 45.4160, 88.2636



55.1684, 45.4160, 37.1866



38.6399, 45.4160, 24.1016

Rectangle

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



33.0453, 45.4160, 64.1512



39.7635, 45.4160, 90.1141



55.1684, 45.4160, 37.1866



46.7585, 45.4160, 23.3364

Sweetspot

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



33.0467, 45.4177, 64.1523



77.8981, 89.9500, 107.8642



24.9420, 44.7777, 13.4520



16.2382, 18.9926, 23.0600



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.



33.0467, 45.4177, 64.1523



51.6651, 72.7843, 105.9335



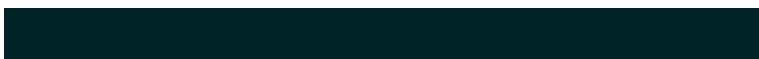
20.7410, 20.8063, 60.0504



11.4930, 12.6264, 14.4018



18.9856, 26.9951, 40.1662



0.9946, 1.4230, 2.0772

Inverse Universe

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



36.8713, 20.6504, 54.8678



58.6140, 29.7666, 88.6204



35.4485, 32.4033, 9.3883



11.6622, 11.3936, 14.0218



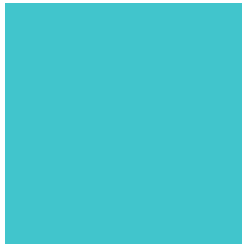
21.7939, 10.5282, 32.9632



1.1320, 0.5462, 1.7409

Previews

White Background



This preview shows how the XYZ color 33.0453, 45.4160, 64.1512 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 33.0453, 45.4160, 64.1512 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

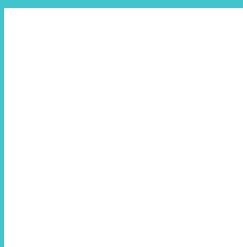
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0453, 45.4160, 64.1512

Background



This preview shows how black text looks on a background with the XYZ color 33.0453, 45.4160, 64.1512.

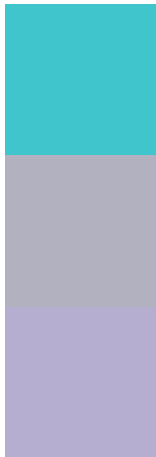


This preview shows how white text looks on a background with the XYZ color 33.0453, 45.4160,

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

33.0453, 45.4160, 64.1512

Protanopia

43.4862, 44.6708, 55.6206

Deuteranopia

45.7007, 44.6993, 66.5407



Tritanopia

34.0778, 45.4985, 69.2734

Trichromacy



Original Color

33.0453, 45.4160, 64.1512



Protanomaly

37.4208, 43.5849, 58.6650



Deuteranomaly

38.6379, 43.4499, 65.3817



Tritanomaly

33.6324, 45.3122, 67.2951

Monochromacy



Original Color

33.0453, 45.4160, 64.1512



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.8026, 36.8853, 46.0535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0453, 45.4160, 64.1512 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(65, 197, 204)` looks like.

```
.text, #text, p{  
    color:rgb(65, 197, 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(65, 197, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 197, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.0453, 45.4160, 64.1512 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(65, 197, 204) }
```


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

```
.border{ border-color:rgb(65, 197, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 197, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 197, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 197, 204);  
box-shadow:4px 4px 4px 4px rgb(65, 197,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0453, 45.4160, 64.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 197, 204) }
```

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

```
.background{ background-color: rgb(65, 197,  
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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