

Converting Colors

XYZ(33.7562, 45.3384, 79.6086)

Have a look what the booklet for
XYZ(33.7562, 45.3384, 79.6086)
contains.

XYZ(33.8314, 45.4786, 79.6682)	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(33.8314, 45.4786,
79.6682)**

Conversions

Conversions Part 1

Format	Color
Hex	00C5E3
RGB	0, 197, 227
RGB Percent	0%, 77%, 89%
CMY	0.9998, 0.2274, 0.1098
CMYK	1.00, 0.13, 0.00, 0.11
HSL	188°, 100%, 45%
HSV	188°, 100%, 89%
XYZ	33.8314, 45.4786, 79.6682
YIQ	141.5170, -127.0420, -32.4340

Conversions

Conversions Part 2

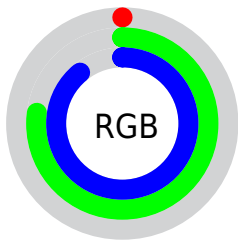
Format	Color
RYB	0, 105, 227
Decimal	50659
CIELab	73.21, -30.16, -26.42
CIELCh	73, 40.094, 221.216
Yxy	45.4786, 0.2128, 0.2861
Android (android.graphics.Color)	4278240739 (0xFF00C5E3)
YUV	141.5170, 42.1431, -124.1104
Hunter-Lab	67.4378, -28.4684, -22.8362

Details

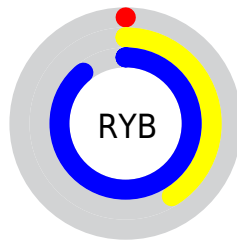
The XYZ color **33.8314, 45.4786, 79.6682** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **32.1450, 17.2626, 1.6395**, and the grayscale version is **25.4031, 26.7260, 29.1046**.

A 20% lighter version of the original color is **59.7985, 81.3548, 107.1591**, and **17.2689, 22.6235, 42.4863** is the 20% darker color. If you saturate the color by 10%, you get **33.8304, 45.4764, 79.6687**, and if you desaturate by 10%, it is **34.8682, 47.0355, 79.9150**.

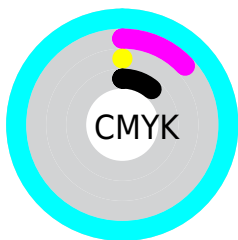
Distribution



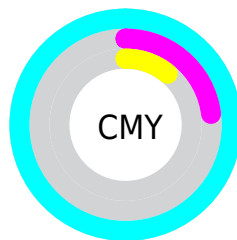
- Red (0%)
- Green (77%)
- Blue (89%)



- Red (0%)
- Yellow (41%)
- Blue (89%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8314, 45.4786, 79.6682 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 33.8314, 45.4786, 79.6682 by changing the saturation by 10% instead.


 33.8314, 45.4786,
79.6682


 33.8314, 45.4786,
79.6682


310.9788,
368.7085, 513.4912


 22.9264, 31.8346,
58.9208


 65.0174, 83.4381,
134.7063


 14.6596, 21.2352,
42.1298


 86.0292, 108.5224,
169.8341


 8.6656, 13.2960,
28.8766


 111.1405,
138.1889, 210.5924

 4.5790, 7.6327,
18.7427

 140.7168,
172.8221, 257.3999

 2.0346, 3.8608,
11.3096

 175.1234,
212.8062, 310.6749

 0.6533, 1.5960,
6.1587

214.7257,

 0.0000, 0.3549,

258.5257, 370.8361

2.8715

259.8891,
310.3650, 438.3020

■ 0.0000, 0.0000,
1.0294

■ 0.0000, 0.0000,
0.0000

■ 33.8314, 45.4786,
79.6682

■ 33.8314, 45.4786,
79.6682

■ 33.8304, 45.4764,
79.6687

■ 34.8682, 47.0355,
79.9150

■ 36.3246, 48.8282,
80.1842

■ 38.3327, 50.9256,
80.4832

■ 40.9675, 53.3666,
80.8155

■ 44.2924, 56.1839,
81.1841

■ 48.3628, 59.4062,
81.5915

■ 53.2285, 63.0593,
82.0402

■ 58.9348, 67.1667,
82.5322

■ 65.5236, 71.7501,
83.0696

Harmonies

Analogous

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



31.2728, 45.4786, 57.4391



33.8314, 45.4786, 79.6682



39.0165, 45.4786, 95.9741

Triad

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



33.8314, 45.4786, 79.6682



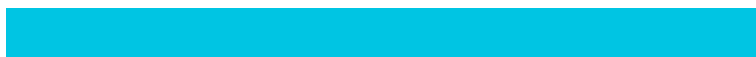
57.3331, 45.4786, 63.0644



40.6490, 45.4786, 20.4177

Complementary

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



33.8314, 45.4786, 79.6682



32.1450, 17.2626, 1.6395

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.



47.7280, 45.4786, 21.1594



33.8314, 45.4786, 79.6682



57.8925, 45.4786, 42.3617

Square

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



33.8314, 45.4786, 79.6682



52.7617, 45.4786, 84.7350



54.2164, 45.4786, 28.1341



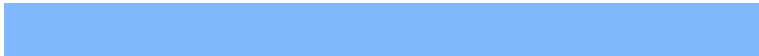
34.9147, 45.4786, 25.7267

Rectangle

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



33.8314, 45.4786, 79.6682



43.5136, 45.4786, 99.2025



54.2164, 45.4786, 28.1341



42.9398, 45.4786, 20.0155

Sweetspot

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



33.8329, 45.4802, 79.6693



69.1435, 81.9812, 106.7874



27.6626, 55.0162, 10.1701



14.1985, 17.1015, 22.8025



0.0000, 0.0000, 0.0000



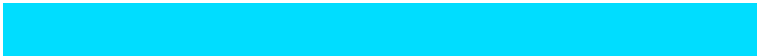
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.8329, 45.4802, 79.6693



43.9838, 59.0876, 103.6946



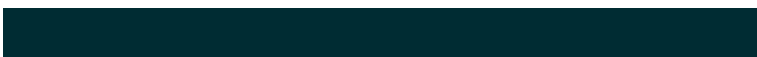
17.2785, 12.3715, 74.1512



14.6364, 15.9943, 18.4601



19.7917, 26.6455, 46.4831



1.5079, 2.0597, 3.4501

Inverse Universe

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



41.7579, 20.3637, 54.5546



54.3302, 26.4961, 70.8620



41.0583, 35.0893, 4.6106



14.9088, 14.5807, 17.7203



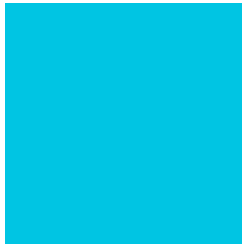
24.3835, 11.8876, 31.9779



1.8247, 0.8876, 2.4836

Previews

White Background



This preview shows how the XYZ color 33.8314, 45.4786, 79.6682 looks on a white background.

Color Contrast Check

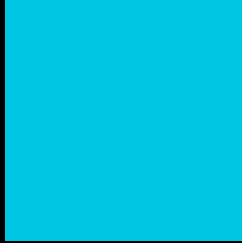
Large Text (above 18pt) WCAG AA × Fail

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 33.8314, 45.4786, 79.6682 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 33.8314, 45.4786, 79.6682

Background



This preview shows how black text looks on a background with the XYZ color 33.8314, 45.4786, 79.6682.

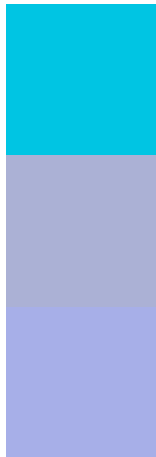


This preview shows how white text looks on a background with the XYZ color 33.8314, 45.4786,

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

33.8314, 45.4786, 79.6682

Protanopia

44.5270, 44.9063, 69.2717

Deuteranopia

45.8318, 44.7016, 82.5566



Tritanopia

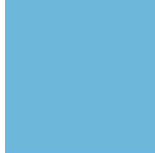
32.3317, 45.2432, 70.6471

Trichromacy



Original Color

33.8314, 45.4786, 79.6682



Protanomaly

36.1021, 42.5941, 72.6484



Deuteranomaly

37.1603, 42.6443, 81.1355



Tritanomaly

32.9803, 45.5026, 74.0625

Monochromacy



Original Color

33.8314, 45.4786, 79.6682



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.6796, 31.0315, 44.2241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8314, 45.4786, 79.6682 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, 197, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 227)  
}
```

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, 197, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.8314, 45.4786, 79.6682 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, 197, 227) }
```


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

```
.border{ border-color:rgb(0, 197, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8314, 45.4786, 79.6682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 227) }
```

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

```
.background{ background-color: rgb(0, 197,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor