

Converting Colors

XYZ(22.0999, 39.6536, 77.2979)

Have a look what the booklet for
XYZ(22.0999, 39.6536, 77.2979)
contains.

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Color

**XYZ(33.6486, 45.7700,
77.5820)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6E0
RGB	0, 198, 224
RGB Percent	0%, 78%, 88%
CMY	0.9998, 0.2235, 0.1216
CMYK	1.00, 0.12, 0.00, 0.12
HSL	187°, 100%, 44%
HSV	187°, 100%, 88%
XYZ	33.6486, 45.7700, 77.5820
YIQ	141.7620, -126.3540, -33.8900

Conversions

Conversions Part 2

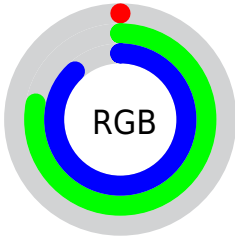
Format	Color
RYB	0, 105, 224
Decimal	50912
CIELab	73.40, -31.62, -24.50
CIELCh	73, 40.002, 217.774
Yxy	45.7700, 0.2143, 0.2915
Android (android.graphics.Color)	4278240992 (0xFF00C6E0)
YUV	141.7620, 40.5433, -124.3253
Hunter-Lab	67.6535, -29.6138, -20.6336

Details

The XYZ color **33.6486, 45.7700, 77.5820** 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 **31.1117, 16.5887, 1.5637**, and the grayscale version is **25.5048, 26.8330, 29.2211**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.1347, 22.8111, 41.0360** is the 20% darker color. If you saturate the color by 10%, you get **33.6480, 45.7685, 77.5826**, and if you desaturate by 10%, it is **34.5899, 47.1462, 77.7989**.

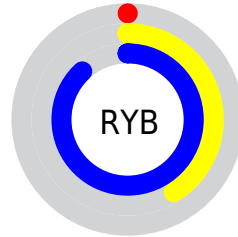
Distribution



Red (0%)

Green (78%)

Blue (88%)



Red (0%)

Yellow (41%)

Blue (88%)

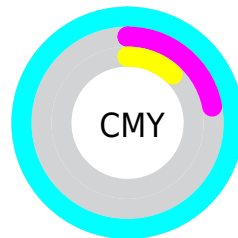


Cyan (100%)

Magenta (12%)

Yellow (0%)

Black (12%)



Cyan (100%)


Magenta (22%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6486, 45.7700, 77.5820 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 33.6486, 45.7700, 77.5820 by changing the saturation by 10% instead.


 33.6486, 45.7700,
77.5820


 33.6486, 45.7700,
77.5820


310.1759,
369.8832, 506.2363


 22.7854, 32.0644,
57.2163


 64.7348, 83.8747,
131.7412


 14.5549, 21.4107,
40.7684

 85.6884, 109.0425,
166.3718


 8.5919, 13.4245,
27.8198


 110.7363,
138.7999, 206.5943

 4.5309, 7.7215,
17.9520

 140.2437,
173.5311, 252.8275

 2.0067, 3.9173,
10.7465

 174.5760,
213.6207, 305.4897

 0.6377, 1.6274,
5.7846

214.0986,

 0.0000, 0.3760,

259.4530, 364.9995

2.6479

259.1767,
311.4123, 431.7756

■ 0.0000, 0.0000,
0.9170

■ 0.0000, 0.0000,
0.0000

■ 33.6486, 45.7700,
77.5820

■ 33.6486, 45.7700,
77.5820

■ 33.6480, 45.7685,
77.5826

■ 34.5899, 47.1462,
77.7989

■ 35.9345, 48.7446,
78.0366

■ 37.8111, 50.6325,
78.3021

■ 40.2922, 52.8475,
78.5988

■ 43.4392, 55.4212,
78.9297

■ 47.3056, 58.3813,
79.2973

■ 51.9396, 61.7527,
79.7038

■ 57.3850, 65.5581,
80.1513

■ 63.6825, 69.8184,
80.6417

Harmonies

Analogous

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



31.4126, 45.7700, 55.2704



33.6486, 45.7700, 77.5820



38.5767, 45.7700, 95.0745

Triad

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



33.6486, 45.7700, 77.5820



57.2885, 45.7700, 66.0011



41.6961, 45.7700, 20.4293

Complementary

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



33.6486, 45.7700, 77.5820



31.1117, 16.5887, 1.5637

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.



48.8318, 45.7700, 21.8555



33.6486, 45.7700, 77.5820



58.3550, 45.7700, 44.7695

Square

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



33.6486, 45.7700, 77.5820



52.3409, 45.7700, 87.2279



55.1149, 45.7700, 29.6463



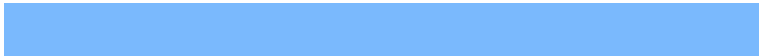
35.7206, 45.7700, 25.0271

Rectangle

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



33.6486, 45.7700, 77.5820



42.9788, 45.7700, 99.5321



55.1149, 45.7700, 29.6463



44.0315, 45.7700, 20.2493

Sweetspot

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



33.6501, 45.7716, 77.5831



69.5170, 82.7282, 106.9119



26.8058, 53.3720, 9.6709



14.2890, 17.2825, 22.8327



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.



33.6501, 45.7716, 77.5831



45.0826, 61.2851, 104.0609



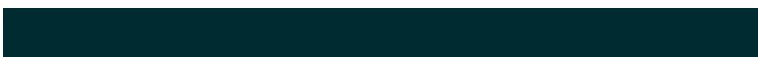
17.0806, 12.6327, 72.0600



13.9736, 15.2864, 17.6018



19.6402, 26.7500, 45.1765



1.4004, 1.9322, 3.1444

Inverse Universe

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



40.9348, 19.9260, 55.1163



54.8848, 26.7179, 73.7825



39.3247, 33.0147, 4.3014



14.2229, 13.9068, 16.9440



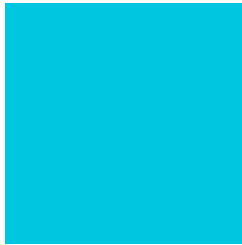
23.8537, 11.6085, 32.2249



1.6731, 0.8125, 2.3374

Previews

White Background



This preview shows how the XYZ color 33.6486, 45.7700, 77.5820 looks on a white background.

Color Contrast Check

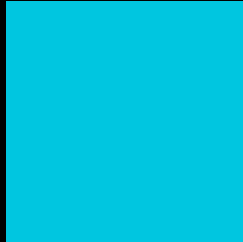
Large Text (above 18pt) WCAG AA × Fail

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 33.6486, 45.7700, 77.5820 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

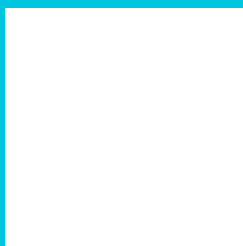
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6486, 45.7700, 77.5820

Background



This preview shows how black text looks on a background with the XYZ color 33.6486, 45.7700, 77.5820.



This preview shows how white text looks on a background with the XYZ color 33.6486, 45.7700,

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

33.6486, 45.7700, 77.5820

Protanopia

44.5886, 44.9817, 67.3050

Deuteranopia

46.2458, 45.2539, 80.4262



Tritanopia

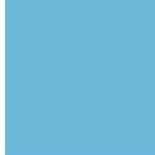
32.6892, 45.7531, 71.3983

Trichromacy



Original Color

33.6486, 45.7700, 77.5820



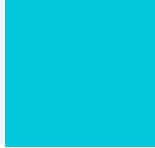
Protanomaly

36.0451, 42.9192, 70.6744



Deuteranomaly

37.1900, 43.0152, 79.0157



Tritanomaly

33.0783, 45.9088, 73.4475

Monochromacy



Original Color

33.6486, 45.7700, 77.5820



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.5832, 30.9929, 43.7163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6486, 45.7700, 77.5820 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, 198, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 224)  
}
```

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, 198, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.6486, 45.7700, 77.5820 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, 198, 224) }
```


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

```
.border{ border-color:rgb(0, 198, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6486, 45.7700, 77.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 224) }
```

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

```
.background{ background-color: rgb(0, 198,  
224) }
```

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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