

Converting Colors

XYZ(20.6647, 39.0116, 75.2130)

Have a look what the booklet for
XYZ(20.6647, 39.0116, 75.2130)
contains.

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Color

**XYZ(33.3789, 45.6621,
76.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6DE
RGB	0, 198, 222
RGB Percent	0%, 78%, 87%
CMY	0.9998, 0.2235, 0.1294
CMYK	1.00, 0.11, 0.00, 0.13
HSL	186°, 100%, 44%
HSV	186°, 100%, 87%
XYZ	33.3789, 45.6621, 76.1617
YIQ	141.5340, -125.7120, -34.5120

Conversions

Conversions Part 2

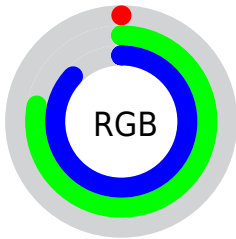
Format	Color
R _{YB}	0, 105, 222
Decimal	50910
CIE Lab	73.33, -32.26, -23.53
CIE LCh	73, 39.930, 216.100
Yxy	45.6621, 0.2151, 0.2942
Android (android.graphics.Color)	4278240990 (0xFF00C6DE)
YUV	141.5340, 39.6697, -124.1253
Hunter-Lab	67.5737, -30.0817, -19.5236

Details

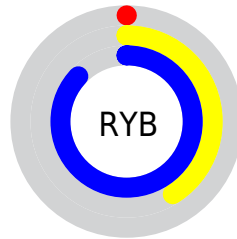
The XYZ color **33.3789, 45.6621, 76.1617** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.4526, 16.1854, 1.5206**, and the grayscale version is **25.4184, 26.7421, 29.1222**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.9483, 22.7365, 40.0545** is the 20% darker color. If you saturate the color by 10%, you get **33.3783, 45.6607, 76.1623**, and if you desaturate by 10%, it is **34.2693, 46.9430, 76.3629**.

Distribution



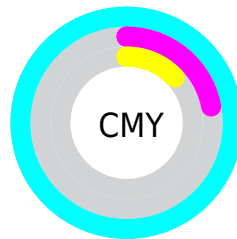
- Red (0%)
- Green (78%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3789, 45.6621, 76.1617 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 33.3789, 45.6621, 76.1617 by changing the saturation by 10% instead.

33.3789, 45.6621,
76.1617

33.3789, 45.6621,
76.1617

308.9885,
369.4485, 501.2626

22.5775, 31.9793,
56.0577

64.3174, 83.7131,
129.7176

14.4008, 21.3457,
39.8448

85.1851, 108.8500,
164.0066

8.4835, 13.3769,
27.1047

110.1390,
138.5737, 203.8610

4.4603, 7.6886,
17.4188

139.5445,
173.2687, 249.6993

1.9657, 3.8963,
10.3684

173.7668,
213.3192, 301.9400

0.6146, 1.6157,
5.5351

213.1713,

0.0000, 0.3682,

259.1098, 361.0018

2.5003

258.1235,
311.0248, 427.3032

■ 0.0000, 0.0000,
0.8403

■ 0.0000, 0.0000,
0.0000

■ 33.3789, 45.6621,
76.1617

■ 33.3789, 45.6621,
76.1617

■ 33.3783, 45.6607,
76.1623

■ 34.2693, 46.9430,
76.3629

■ 35.5529, 48.4388,
76.5839

■ 37.3563, 50.2155,
76.8318

■ 39.7505, 52.3098,
77.1099

■ 42.7953, 54.7527,
77.4209

■ 46.5432, 57.5713,
77.7674

■ 51.0412, 60.7898,
78.1516

■ 56.3323, 64.4304,
78.5755

■ 62.4560, 68.5137,
79.0409

Harmonies

Analogous

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



31.3109, 45.6621, 53.9422



33.3789, 45.6621, 76.1617



38.1565, 45.6621, 94.1170

Triad

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



33.3789, 45.6621, 76.1617



56.9532, 45.6621, 67.0888



41.9812, 45.6621, 20.3270

Complementary

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



33.3789, 45.6621, 76.1617



30.4526, 16.1854, 1.5206

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.



49.1041, 45.6621, 22.0810



33.3789, 45.6621, 76.1617



58.2592, 45.6621, 45.7208

Square

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



33.3789, 45.6621, 76.1617



51.8525, 45.6621, 87.9672



55.2505, 45.6621, 30.2364



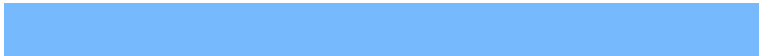
35.9207, 45.6621, 24.5607

Rectangle

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



33.3789, 45.6621, 76.1617



42.4886, 45.6621, 99.1410



55.2505, 45.6621, 30.2364



44.3253, 45.6621, 20.2557

Sweetspot

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



33.3804, 45.6637, 76.1628



69.7027, 83.0996, 106.9739



26.2695, 52.3025, 9.4826



14.3341, 17.3726, 22.8477



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.



33.3804, 45.6637, 76.1628



45.6361, 62.3922, 104.2454



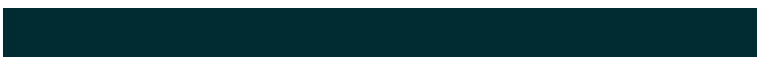
16.7442, 12.3914, 70.6174



13.9834, 15.3059, 17.6050



19.8758, 27.2211, 45.2550



1.4144, 1.9603, 3.1491

Inverse Universe

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



40.3185, 19.6083, 55.0875



55.1642, 26.8297, 75.2539



38.5430, 32.3660, 4.2174



14.2278, 13.9088, 16.9699



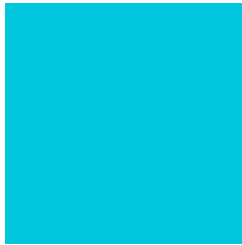
23.9726, 11.6560, 32.8510



1.6802, 0.8153, 2.3747

Previews

White Background



This preview shows how the XYZ color 33.3789, 45.6621, 76.1617 looks on a white background.

Color Contrast Check

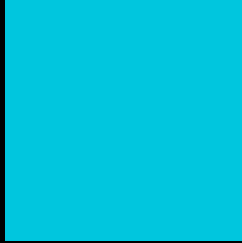
Large Text (above 18pt) WCAG AA × Fail

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 33.3789, 45.6621, 76.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

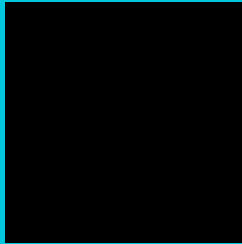
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3789, 45.6621, 76.1617

Background



This preview shows how black text looks on a background with the XYZ color 33.3789, 45.6621, 76.1617.



This preview shows how white text looks on a background with the XYZ color 33.3789, 45.6621,

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

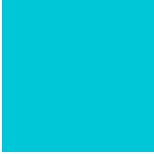
33.3789, 45.6621, 76.1617

Protanopia

44.3409, 44.8826, 66.0007

Deuteranopia

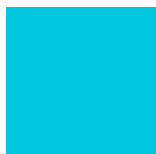
45.9897, 44.8639, 78.9087



Tritanopia

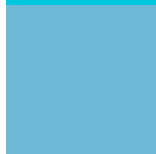
32.6892, 45.7531, 71.3983

Trichromacy



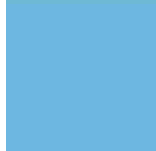
Original Color

33.3789, 45.6621, 76.1617



Protanomaly

35.7896, 42.8170, 69.3290



Deuteranomaly

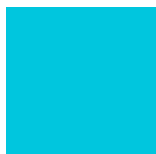
36.8308, 42.5544, 77.5068



Tritanomaly

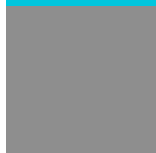
33.0783, 45.9088, 73.4475

Monochromacy



Original Color

33.3789, 45.6621, 76.1617



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.4875, 30.9546, 43.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3789, 45.6621, 76.1617 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.3789, 45.6621, 76.1617 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, 222) }
```


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

```
.border{ border-color:rgb(0, 198, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3789, 45.6621, 76.1617 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, 222) }
```

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

```
.background{ background-color: rgb(0, 198,  
222) }
```

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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