

Converting Colors

XYZ(22.4629, 39.3300, 78.2626)

Have a look what the booklet for
XYZ(22.4629, 39.3300, 78.2626)
contains.

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Color

**XYZ(33.4674, 44.9708,
78.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4E2
RGB	0, 196, 226
RGB Percent	0%, 77%, 89%
CMY	0.9998, 0.2314, 0.1137
CMYK	1.00, 0.13, 0.00, 0.11
HSL	188°, 100%, 44%
HSV	188°, 100%, 89%
XYZ	33.4674, 44.9708, 78.8678
YIQ	140.8160, -126.4460, -32.2220

Conversions

Conversions Part 2

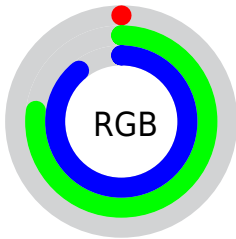
Format	Color
RYB	0, 105, 226
Decimal	50402
CIELab	72.87, -30.00, -26.39
CIELCh	73, 39.952, 221.334
Yxy	44.9708, 0.2128, 0.2859
Android (android.graphics.Color)	4278240482 (0xFF00C4E2)
YUV	140.8160, 41.9957, -123.4956
Hunter-Lab	67.0603, -28.2725, -22.7872

Details

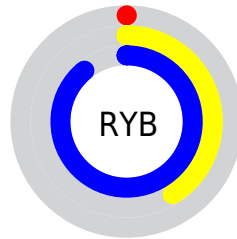
The XYZ color **33.4674, 44.9708, 78.8678** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **31.8305, 17.1007, 1.6249**, and the grayscale version is **25.1293, 26.4380, 28.7910**.

A 20% lighter version of the original color is **59.4820, 80.7218, 107.0536**, and **17.0237, 22.2863, 41.9325** is the 20% darker color. If you saturate the color by 10%, you get **33.4663, 44.9683, 78.8683**, and if you desaturate by 10%, it is **34.4974, 46.5175, 79.1129**.

Distribution



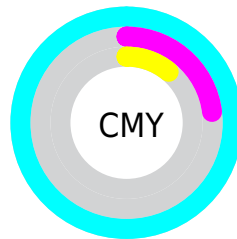
- Red (0%)
- Green (77%)
- Blue (89%)



- 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 33.4674, 44.9708, 78.8678 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 33.4674, 44.9708, 78.8678 by changing the saturation by 10% instead.

 33.4674, 44.9708,
78.8678


 33.4674, 44.9708,
78.8678


309.3785,
366.6553, 510.7148


 22.6457, 31.4344,
58.2664


 64.4544, 82.6766,
133.5697

 14.4514, 20.9299,
41.6068


 85.3504, 107.6148,
168.5073


 8.5191, 13.0728,
28.4702


 110.3351,
137.1224, 209.0608

 4.4834, 7.4787,
18.4383

 139.7741,
171.5838, 255.6487

 1.9791, 3.7632,
11.0924

 174.0325,
211.3834, 308.6895

 0.6222, 1.5420,
6.0141

213.4758,

 0.0000, 0.3180,

256.9056, 368.6017

2.7847

258.4694,
308.5348, 435.8040

■ 0.0000, 0.0000,
0.9858

■ 0.0000, 0.0000,
0.0000

■ 33.4674, 44.9708,
78.8678

■ 33.4674, 44.9708,
78.8678

■ 33.4663, 44.9683,
78.8683

■ 34.4974, 46.5175,
79.1129

■ 35.9428, 48.2977,
79.3804

■ 37.9343, 50.3798,
79.6773

■ 40.5463, 52.8022,
80.0072

■ 43.8414, 55.5973,
80.3730

■ 47.8744, 58.7935,
80.7774

■ 52.6945, 62.4162,
81.2226

■ 58.3467, 66.4887,
81.7108

■ 64.8723, 71.0325,
82.2439

Harmonies

Analogous

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



30.9258, 44.9708, 56.8854



33.4674, 44.9708, 78.8678



38.6045, 44.9708, 94.9539

Triad

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



33.4674, 44.9708, 78.8678



56.7068, 44.9708, 62.2750



40.1685, 44.9708, 20.1940

Complementary

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



33.4674, 44.9708, 78.8678



31.8305, 17.1007, 1.6249

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.



47.1680, 44.9708, 20.9044



33.4674, 44.9708, 78.8678



57.2429, 44.9708, 41.8172

Square

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



33.4674, 44.9708, 78.8678



52.1984, 44.9708, 83.7225



53.5922, 44.9708, 27.7755



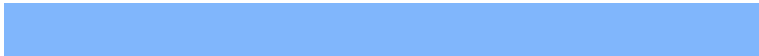
34.5052, 44.9708, 25.4694

Rectangle

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



33.4674, 44.9708, 78.8678



43.0556, 44.9708, 98.1047



53.5922, 44.9708, 27.7755



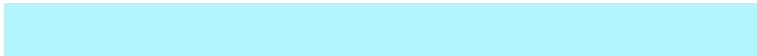
42.4327, 44.9708, 19.7886

Sweetspot

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



33.4689, 44.9724, 78.8689



69.1299, 81.9540, 106.7829



27.3886, 54.4702, 10.0724



14.1952, 17.0949, 22.8014



0.0000, 0.0000, 0.0000



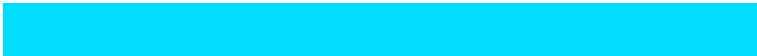
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4689, 44.9724, 78.8689



43.9442, 59.0084, 103.6814



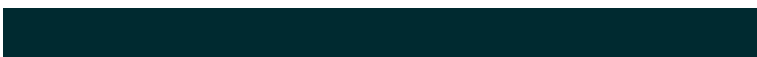
17.1101, 12.2548, 73.4160



13.9532, 15.2456, 17.5950



19.1555, 25.7806, 45.0149



1.3714, 1.8743, 3.1347

Inverse Universe

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



41.3292, 20.1559, 53.9382



54.3102, 26.4881, 70.7567



40.6541, 34.7477, 4.5660



14.2126, 13.9027, 16.8898



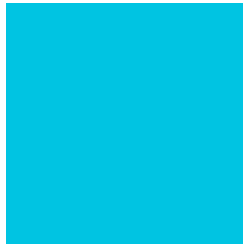
23.6090, 11.5106, 30.9366



1.6585, 0.8067, 2.2604

Previews

White Background



This preview shows how the XYZ color 33.4674, 44.9708, 78.8678 looks on a white background.

Color Contrast Check

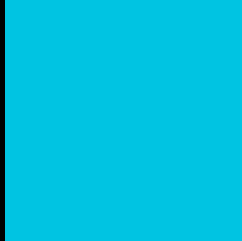
Large Text (above 18pt) WCAG AA × Fail

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 33.4674, 44.9708, 78.8678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

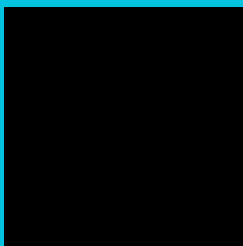
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

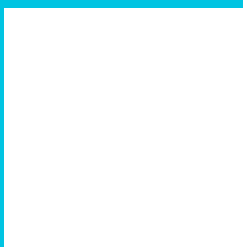
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4674, 44.9708, 78.8678

Background



This preview shows how black text looks on a background with the XYZ color 33.4674, 44.9708, 78.8678.



This preview shows how white text looks on a background with the XYZ color 33.4674, 44.9708,

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

33.4674, 44.9708, 78.8678

Protanopia

43.9866, 44.3502, 68.5295

Deuteranopia

45.4797, 44.5365, 81.8007



Tritanopia

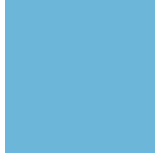
31.9765, 44.7366, 69.9005

Trichromacy



Original Color

33.4674, 44.9708, 78.8678



Protanomaly

35.6422, 42.0649, 71.8864



Deuteranomaly

37.0202, 42.5883, 80.3979



Tritanomaly

32.6211, 44.9945, 73.2952

Monochromacy



Original Color

33.4674, 44.9708, 78.8678



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.4077, 30.6420, 43.6578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4674, 44.9708, 78.8678 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, 196, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 226)  
}
```

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, 196, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.4674, 44.9708, 78.8678 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, 196, 226) }
```


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

```
.border{ border-color:rgb(0, 196, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4674, 44.9708, 78.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 226) }
```

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

```
.background{ background-color: rgb(0, 196,  
226) }
```

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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