

Converting Colors

XYZ(34.2499, 46.8856, 78.0504)

Have a look what the booklet for
XYZ(34.2499, 46.8856, 78.0504)
contains.

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Color

**XYZ(34.1088, 46.6904,
77.7354)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8E0
RGB	0, 200, 224
RGB Percent	0%, 78%, 88%
CMY	0.9998, 0.2157, 0.1216
CMYK	1.00, 0.11, 0.00, 0.12
HSL	186°, 100%, 44%
HSV	186°, 100%, 88%
XYZ	34.1088, 46.6904, 77.7354
YIQ	142.9360, -126.9040, -34.9360

Conversions

Conversions Part 2

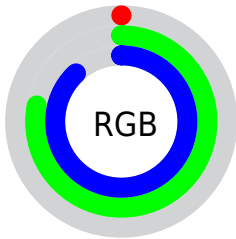
Format	Color
RYB	0, 106, 224
Decimal	51424
CIELab	73.99, -32.58, -23.59
CIELCh	74, 40.225, 215.912
Yxy	46.6904, 0.2152, 0.2945
Android (android.graphics.Color)	4278241504 (0xFF00C8E0)
YUV	142.9360, 39.9646, -125.3549
Hunter-Lab	68.3304, -30.4755, -19.6194

Details

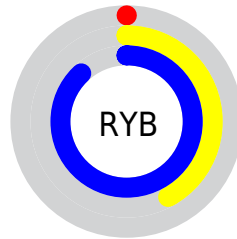
The XYZ color **34.1088, 46.6904, 77.7354** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.0688, 16.5030, 1.5494**, and the grayscale version is **25.9717, 27.3243, 29.7562**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.4403, 23.4223, 41.1379** is the 20% darker color. If you saturate the color by 10%, you get **34.1083, 46.6891, 77.7361**, and if you desaturate by 10%, it is **35.0109, 47.9882, 77.9393**.

Distribution



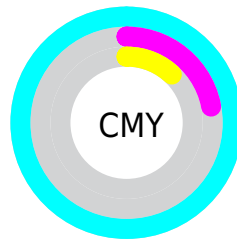
- Red (0%)
- Green (78%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1088, 46.6904, 77.7354 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 34.1088, 46.6904, 77.7354 by changing the saturation by 10% instead.


 34.1088, 46.6904,
77.7354


 34.1088, 46.6904,
77.7354


312.1943,
373.5774, 506.7718


 23.1405, 32.7910,
57.3415


 65.4460, 85.2513,
131.9595


 14.8185, 21.9664,
40.8683


 86.5456, 110.6816,
166.6268


 8.7776, 13.8322,
27.8973


 111.7530,
140.7242, 206.8890

 4.6524, 8.0040,
18.0099

 141.4335,
175.7637, 253.1646

 2.0774, 4.0975,
10.7875

 175.9525,
216.1843, 305.8721

 0.6769, 1.7283,
5.8118

215.6755,

 0.0000, 0.4419,

262.3706, 365.4301

2.6640

260.9676,
314.7068, 432.2572

■ 0.0000, 0.0000,
0.9252

■ 0.0000, 0.0000,
0.0000

■ 34.1088, 46.6904,
77.7354

■ 34.1088, 46.6904,
77.7354

■ 34.1083, 46.6891,
77.7361

■ 35.0109, 47.9882,
77.9393

■ 36.3148, 49.5052,
78.1633

■ 38.1492, 51.3088,
78.4148

■ 40.5866, 53.4363,
78.6970

■ 43.6884, 55.9196,
79.0128

■ 47.5081, 58.7862,
79.3648

■ 52.0937, 62.0609,
79.7552

■ 57.4893, 65.7666,
80.1861

■ 63.7354, 69.9241,
80.6594

Harmonies

Analogous

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



32.0129, 46.6904, 55.0205



34.1088, 46.6904, 77.7354



38.9781, 46.6904, 96.1523

Triad

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



34.1088, 46.6904, 77.7354



58.2127, 46.6904, 68.7434



42.9708, 46.6904, 20.7786

Complementary

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



34.1088, 46.6904, 77.7354



31.0688, 16.5030, 1.5494

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.



50.2545, 46.6904, 22.6104



34.1088, 46.6904, 77.7354



59.5759, 46.6904, 46.8729

Square

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



34.1088, 46.6904, 77.7354



52.9784, 46.6904, 90.0570



56.5252, 46.6904, 30.9938



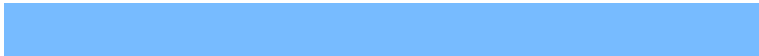
36.7624, 46.6904, 25.0674

Rectangle

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



34.1088, 46.6904, 77.7354



43.4009, 46.6904, 101.3554



56.5252, 46.6904, 30.9938



45.3693, 46.6904, 20.7182

Sweetspot

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



34.1103, 46.6921, 77.7365



69.7253, 83.1448, 106.9814



26.8058, 53.3720, 9.6709



14.3396, 17.3836, 22.8495



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.



34.1103, 46.6921, 77.7365



45.7038, 62.5276, 104.2679



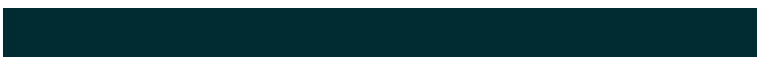
17.0806, 12.6327, 72.0600



13.9846, 15.3082, 17.6054



19.9046, 27.2787, 45.2646



1.4161, 1.9637, 3.1496

Inverse Universe

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



41.1671, 20.0189, 56.3396



55.1984, 26.8433, 75.4337



39.3247, 33.0147, 4.3014



14.2284, 13.9090, 16.9730



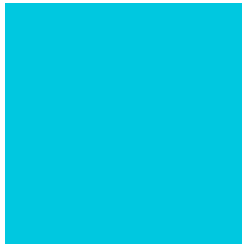
23.9871, 11.6618, 32.9276



1.6811, 0.8157, 2.3792

Previews

White Background



This preview shows how the XYZ color 34.1088, 46.6904, 77.7354 looks on a white background.

Color Contrast Check

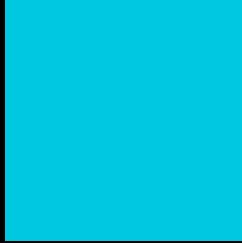
Large Text (above 18pt) WCAG AA × Fail

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 34.1088, 46.6904, 77.7354 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

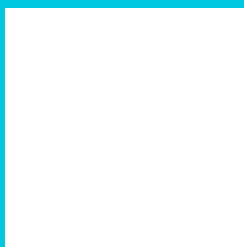
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1088, 46.6904, 77.7354

Background



This preview shows how black text looks on a background with the XYZ color 34.1088, 46.6904, 77.7354.



This preview shows how white text looks on a background with the XYZ color 34.1088, 46.6904,

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

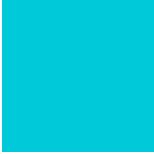
34.1088, 46.6904, 77.7354

Protanopia

45.4322, 46.0073, 67.4585

Deuteranopia

47.0986, 45.9857, 80.5225



Tritanopia

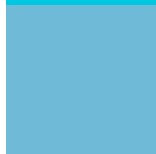
33.4110, 46.7830, 72.9147

Trichromacy



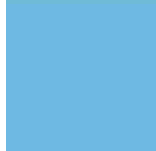
Original Color

34.1088, 46.6904, 77.7354



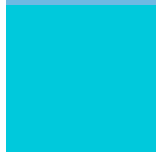
Protanomaly

36.5916, 43.8265, 70.8207



Deuteranomaly

37.6445, 43.5590, 79.0967



Tritanomaly

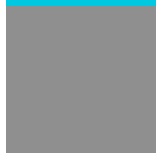
33.8049, 46.9406, 74.9889

Monochromacy



Original Color

34.1088, 46.6904, 77.7354



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.0362, 31.7536, 43.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1088, 46.6904, 77.7354 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, 200, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 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, 200, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 224) }
```

Border

The CSS property to change the border of an element to XYZ 34.1088, 46.6904, 77.7354 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, 200, 224) }
```


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

```
.border{ border-color:rgb(0, 200, 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, 200, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1088, 46.6904, 77.7354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 224) }
```

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

```
.background{ background-color: rgb(0, 200,  
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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