

Converting Colors

XYZ(48.5950, 76.7828, 73.6876)

Have a look what the booklet for
XYZ(48.5950, 76.7828, 73.6876)
contains.

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Color

**XYZ(48.6446, 76.8040,
73.8888)**

Conversions

Conversions Part 1

Format	Color
Hex	2EFFD3
RGB	46, 255, 211
RGB Percent	18%, 100%, 83%
CMY	0.8196, 0.0000, 0.1725
CMYK	0.82, 0.00, 0.17, 0.00
HSL	167°, 100%, 59%
HSV	167°, 82%, 100%
XYZ	48.6446, 76.8040, 73.8888
YIQ	187.4930, -110.4400, -57.9920

Conversions

Conversions Part 2

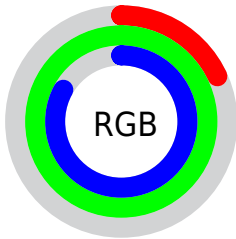
Format	Color
RYB	46, 163, 255
Decimal	3080147
CIELab	90.23, -57.95, 7.40
CIELCh	90, 58.418, 172.718
Yxy	76.8040, 0.2440, 0.3853
Android (android.graphics.Color)	4281270227 (0xFF2EFFD3)
YUV	187.4930, 11.5890, -124.0894
Hunter-Lab	87.6379, -54.2875, 11.3582

Details

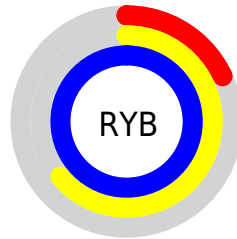
The XYZ color **48.6446, 76.8040, 73.8888** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.0635, 23.9535, 11.9766**, and the grayscale version is **47.4958, 49.9693, 54.4166**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **47.1552, 76.1126, 70.3652**, and if you desaturate by 10%, it is **50.8390, 77.8562, 77.5654**.

Distribution



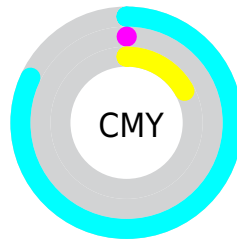
- Red (18%)
- Green (100%)
- Blue (83%)



- Red (18%)
- Yellow (64%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6446, 76.8040, 73.8888 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 48.6446, 76.8040, 73.8888 by changing the saturation by 10% instead.


 48.6446, 76.8040,
73.8888


 48.6446, 76.8040,
73.8888

371.8817,
484.0955, 493.2426


 34.5510, 57.0920,
54.2068


 87.3673, 128.8628,
126.4707


 23.4821, 41.0791,
38.3727


 112.7271,
161.9784, 160.2078

 15.0725, 28.3809,
25.9680


 142.5730,
200.3306, 199.4669

 8.9570, 18.6130,
16.5742

 177.2704,
244.3039, 244.6666

 4.7700, 11.3910,
9.7726

217.1846,
294.2826, 296.2255

 2.1463, 6.3305,
5.1448

262.6810,

 0.7142, 3.0470,

350.6512, 354.5621

2.2723

314.1249,
413.7940, 420.0950

■ 0.0000, 1.1563,
0.7156

■ 0.0000, 0.0256,
0.0000

■ 48.6446, 76.8040,
73.8888

■ 48.6446, 76.8040,
73.8888

■ 47.1552, 76.1126,
70.3652

■ 50.8390, 77.8562,
77.5654


■ 46.3397, 75.7519,
67.6318


■ 53.8411, 79.3221,
81.3970


■ 57.7390, 81.2472,
85.3901


■ 62.6085, 83.6705,
89.5492

 68.5173, 86.6269,
93.8788

 75.5268, 90.1480,
98.3826

 83.6938, 94.2630,
103.0644

 93.0708, 98.9992,
107.9276

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.9493, 76.8040, 43.9180



48.6446, 76.8040, 73.8888



50.1416, 76.8040, 118.4924

Triad

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



48.6446, 76.8040, 73.8888



84.3307, 76.8040, 181.2812



91.2657, 76.8040, 34.7494

Complementary

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



48.6446, 76.8040, 73.8888



44.0635, 23.9535, 11.9766

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.



101.9241, 76.8040, 56.3738



48.6446, 76.8040, 73.8888



97.5639, 76.8040, 142.0637

Square

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



48.6446, 76.8040, 73.8888



69.5155, 76.8040, 190.7593



104.3698, 76.8040, 94.1842



76.5988, 76.8040, 26.7173

Rectangle

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



48.6446, 76.8040, 73.8888



54.3364, 76.8040, 150.5030



104.3698, 76.8040, 94.1842



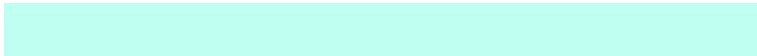
95.5116, 76.8040, 40.2412

Sweetspot

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



48.6455, 76.8044, 73.8902



73.2726, 89.0143, 96.9926



40.5969, 73.9565, 14.7216



15.1547, 18.7871, 20.4214



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.



48.6455, 76.8044, 73.8902



46.5306, 75.8356, 68.3038



38.8693, 47.1851, 101.6668



18.3814, 20.4121, 22.3115



24.2701, 39.6047, 35.6375



2.4022, 3.8718, 3.6756

Inverse Universe

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



44.0635, 23.9535, 11.9766



42.0518, 21.6733, 5.9316



46.8081, 31.6068, 6.2199



18.1658, 18.0496, 19.4903



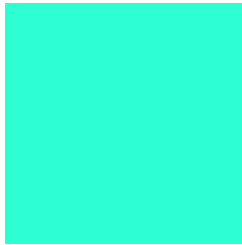
21.9363, 11.2638, 3.0491



2.1735, 1.1118, 0.4952

Previews

White Background



This preview shows how the XYZ color 48.6446, 76.8040, 73.8888 looks on a white background.

Color Contrast Check

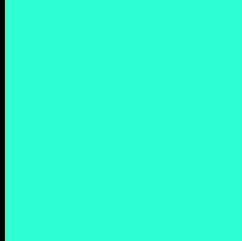
Large Text (above 18pt) WCAG AA × Fail

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 48.6446, 76.8040, 73.8888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

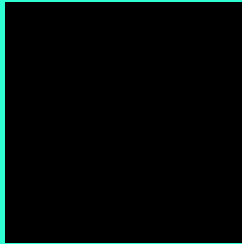
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6446, 76.8040, 73.8888

Background



This preview shows how black text looks on a background with the XYZ color 48.6446, 76.8040, 73.8888.



This preview shows how white text looks on a background with the XYZ color 48.6446, 76.8040,

Color Blindness Simulation

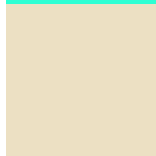
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



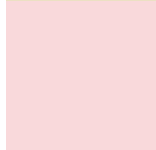
Original Color

48.6446, 76.8040, 73.8888



Protanopia

71.0981, 75.0843, 62.3752



Deuteranopia

76.6660, 74.8799, 77.4304



Tritanopia

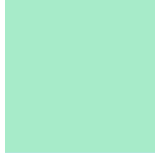
61.5379, 76.3336, 106.0982

Trichromacy



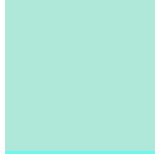
Original Color

48.6446, 76.8040, 73.8888



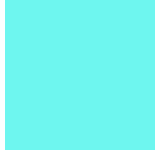
Protanomaly

56.1873, 71.8492, 66.1652



Deuteranomaly

58.6498, 71.2237, 75.6221



Tritanomaly

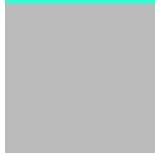
54.9662, 75.4585, 93.3293

Monochromacy



Original Color

48.6446, 76.8040, 73.8888



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.6606, 56.3067, 60.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6446, 76.8040, 73.8888 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(46, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 211)  
}
```

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(46, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.6446, 76.8040, 73.8888 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(46, 255, 211) }
```


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

```
.border{ border-color:rgb(46, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6446, 76.8040, 73.8888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 211) }
```

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

```
.background{ background-color: rgb(46, 255,  
211) }
```

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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