

Converting Colors

XYZ(47.9866, 76.5408, 70.4235)

Have a look what the booklet for
XYZ(47.9866, 76.5408, 70.4235)
contains.

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Color

**XYZ(48.0273, 76.5571,
70.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	2EFFCE
RGB	46, 255, 206
RGB Percent	18%, 100%, 81%
CMY	0.8196, 0.0000, 0.1921
CMYK	0.82, 0.00, 0.19, 0.00
HSL	166°, 100%, 59%
HSV	166°, 82%, 100%
XYZ	48.0273, 76.5571, 70.6382
YIQ	186.9230, -108.8350, -59.5470

Conversions

Conversions Part 2

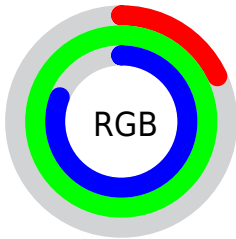
Format	Color
RYB	46, 164, 255
Decimal	3080142
CIELab	90.12, -59.15, 9.82
CIElCh	90, 59.965, 170.571
Yxy	76.5571, 0.2460, 0.3922
Android (android.graphics.Color)	4281270222 (0xFF2EFFCE)
YUV	186.9230, 9.4050, -123.5895
Hunter-Lab	87.4969, -55.1405, 13.3817

Details

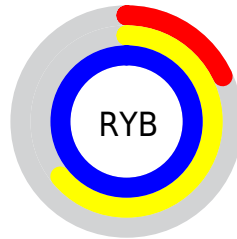
The XYZ color **48.0273, 76.5571, 70.6382** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.2835, 24.0414, 13.1355**, and the grayscale version is **47.1850, 49.6423, 54.0605**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **25.6337, 42.1995, 36.5000** is the 20% darker color. If you saturate the color by 10%, you get **46.4871, 75.8454, 66.8475**, and if you desaturate by 10%, it is **50.2775, 77.6316, 74.6090**.

Distribution



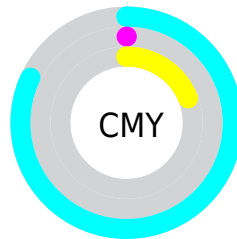
- Red (18%)
- Green (100%)
- Blue (81%)



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



- Cyan (82%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0273, 76.5571, 70.6382 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 48.0273, 76.5571, 70.6382 by changing the saturation by 10% instead.


 48.0273, 76.5571,
70.6382


 48.0273, 76.5571,
70.6382

369.4811,
483.2526, 481.6372


 34.0598, 56.8894,
51.5670


 86.4545, 128.5141,
121.8081

 23.1027, 40.9165,
36.2802


 111.6450,
161.5722, 154.7438

 14.7905, 28.2538,
24.3593


 141.3071,
199.8626, 193.1381

 8.7578, 18.5171,
15.3857

 175.8064,
243.7697, 237.4095

 4.6394, 11.3219,
8.9409

215.5080,
293.6778, 287.9766

 2.0698, 6.2838,
4.6064

260.7775,

 0.6727, 3.0184,

349.9714, 345.2579

1.9635

311.9800,
413.0349, 409.6719

■ 0.0000, 1.1413,
0.5327

■ 0.0000, 0.0130,
0.0000

■ 48.0273, 76.5571,
70.6382

■ 48.0273, 76.5571,
70.6382

■ 46.4871, 75.8454,
66.8475


■ 50.2775, 77.6316,
74.6090


■ 45.6346, 75.4698,
63.9188


■ 53.3407, 79.1219,
78.7624


■ 57.3050, 81.0736,
83.1053


■ 62.2462, 83.5256,
87.6427

 68.2323, 86.5128,
92.3793

 75.3246, 90.0671,
97.3195

 83.5800, 94.2175,
102.4674

 93.0512, 98.9913,
107.8268

 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.



52.8230, 76.5571, 41.3864



48.0273, 76.5571, 70.6382



49.1257, 76.5571, 115.5994

Triad

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



48.0273, 76.5571, 70.6382



83.2910, 76.5571, 186.0470



92.4969, 76.5571, 34.7245

Complementary

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



48.0273, 76.5571, 70.6382



44.2835, 24.0414, 13.1355

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.



102.9820, 76.5571, 57.7486



48.0273, 76.5571, 70.6382



97.1843, 76.5571, 147.0007

Square

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



48.0273, 76.5571, 70.6382



68.1767, 76.5571, 193.1698



104.8054, 76.5571, 97.5191



77.5552, 76.5571, 25.8284

Rectangle

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



48.0273, 76.5571, 70.6382



53.1196, 76.5571, 148.8342



104.8054, 76.5571, 97.5191



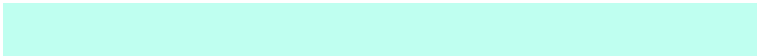
96.7405, 76.5571, 40.6070

Sweetspot

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



48.0281, 76.5575, 70.6396



73.0449, 88.9233, 95.7938



41.3185, 74.3285, 14.7552



15.0997, 18.7652, 20.1320



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.



48.0281, 76.5575, 70.6396



45.8344, 75.5571, 64.6378



40.4750, 50.3965, 102.2020



18.3620, 20.4043, 22.2092



23.9057, 39.4589, 33.7183



2.3696, 3.8588, 3.5040

Inverse Universe

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



44.2835, 24.0414, 13.1355



42.2120, 21.7374, 6.7753



46.1254, 30.2414, 5.9922



18.1839, 18.0569, 19.5854



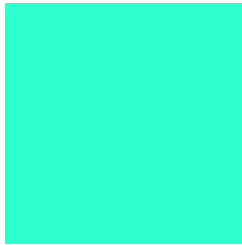
22.0194, 11.2970, 3.4864



2.1840, 1.1160, 0.5502

Previews

White Background



This preview shows how the XYZ color 48.0273, 76.5571, 70.6382 looks on a white background.

Color Contrast Check

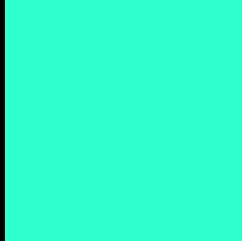
Large Text (above 18pt) WCAG AA × Fail

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 48.0273, 76.5571, 70.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

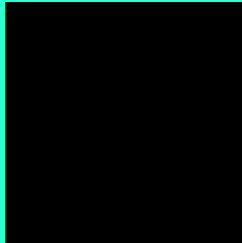
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0273, 76.5571, 70.6382

Background



This preview shows how black text looks on a background with the XYZ color 48.0273, 76.5571, 70.6382.

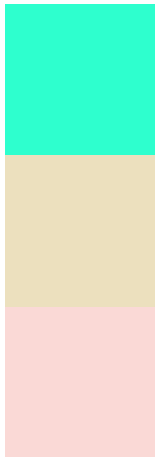


This preview shows how white text looks on a background with the XYZ color 48.0273, 76.5571,

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

48.0273, 76.5571, 70.6382

Protanopia

70.5420, 74.8619, 59.4470

Deuteranopia

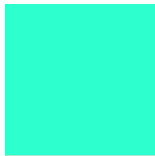
76.3748, 74.8047, 74.0317



Tritanopia

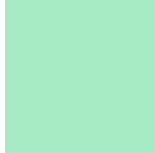
61.0641, 75.6512, 105.9915

Trichromacy



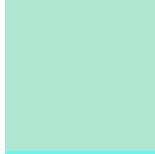
Original Color

48.0273, 76.5571, 70.6382



Protanomaly

55.6085, 71.6177, 63.1173



Deuteranomaly

58.2383, 71.0851, 72.2793



Tritanomaly

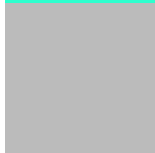
54.3689, 74.7342, 91.6804

Monochromacy



Original Color

48.0273, 76.5571, 70.6382



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.4344, 56.2162, 59.6005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0273, 76.5571, 70.6382 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 48.0273, 76.5571, 70.6382 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, 206) }
```


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

```
.border{ border-color:rgb(46, 255, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0273, 76.5571, 70.6382 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, 206) }
```

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

```
.background{ background-color: rgb(46, 255,  
206) }
```

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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