

Converting Colors

XYZ(46.8404, 76.1099, 63.1432)

Have a look what the booklet for
XYZ(46.8404, 76.1099, 63.1432)
contains.

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Color

**XYZ(46.8628, 76.1188,
63.2614)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFC2
RGB	51, 255, 194
RGB Percent	20%, 100%, 76%
CMY	0.8000, 0.0000, 0.2392
CMYK	0.80, 0.00, 0.24, 0.00
HSL	162°, 100%, 60%
HSV	162°, 80%, 100%
XYZ	46.8628, 76.1188, 63.2614
YIQ	187.0500, -102.0030, -62.2190

Conversions

Conversions Part 2

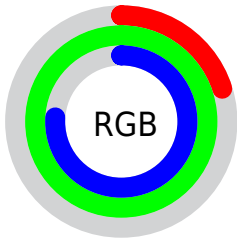
Format	Color
RYB	51, 171, 255
Decimal	3407810
CIELab	89.91, -61.53, 15.72
CIELCh	90, 63.503, 165.664
Yxy	76.1188, 0.2516, 0.4087
Android (android.graphics.Color)	4281597890 (0xFF33FFC2)
YUV	187.0500, 3.4263, -119.3159
Hunter-Lab	87.2461, -56.8023, 18.0816

Details

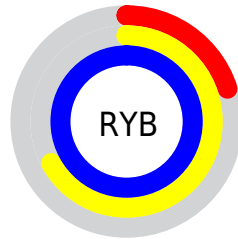
The XYZ color **46.8628, 76.1188, 63.2614** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.3493, 24.7985, 17.7278**, and the grayscale version is **47.2860, 49.7485, 54.1762**.

A 20% lighter version of the original color is **62.5327, 83.3103, 104.0515**, and **24.6999, 41.8260, 31.5823** is the 20% darker color. If you saturate the color by 10%, you get **45.0767, 75.2944, 58.8224**, and if you desaturate by 10%, it is **49.3977, 77.3241, 67.9675**.

Distribution



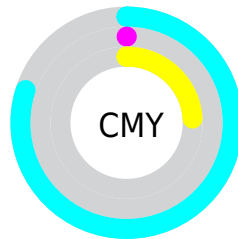
- Red (20%)
- Green (100%)
- Blue (76%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8628, 76.1188, 63.2614 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 46.8628, 76.1188, 63.2614 by changing the saturation by 10% instead.


 46.8628, 76.1188,
63.2614


 46.8628, 76.1188,
63.2614


364.9247,
481.7543, 454.6516


 33.1347, 56.5299,
45.6104


 84.7288, 127.8948,
111.1358


 22.3894, 40.6280,
31.5920


 109.5974,
160.8508, 142.1962

 14.2615, 28.0285,
20.7878


 138.9102,
199.0312, 178.5634

 8.3857, 18.3471,
12.7793

 173.0325,
242.8205, 220.6561

 4.3966, 11.1995,
7.1478

212.3298,
292.6030, 268.8927

 1.9289, 6.2012,
3.4749

257.1673,

 0.5935, 2.9678,

348.7633, 323.6918

1.3419

307.9105,
411.6855, 385.4719

0.0000, 1.1149,
0.0958

0.0000, 0.0000,
0.0000

46.8628, 76.1188,
63.2614

46.8628, 76.1188,
63.2614

45.0767, 75.2944,
58.8224

49.3977, 77.3241,
67.9675

43.8717, 74.7647,
54.6352

52.7805, 78.9613,
72.9448

43.8713, 74.7645,
54.6337

57.0969, 81.0746,
78.2017

62.4215, 83.7024,
83.7451

■ 68.8209, 86.8788,
89.5810

■ 76.3559, 90.6353,
95.7156

■ 85.0828, 95.0007,
102.1543

■ 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.



52.8317, 76.1188, 35.9491



46.8628, 76.1188, 63.2614



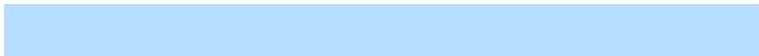
46.9985, 76.1188, 108.4857

Triad

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



46.8628, 76.1188, 63.2614



80.8099, 76.1188, 197.1215



95.5657, 76.1188, 35.1434

Complementary

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



46.8628, 76.1188, 63.2614



45.3493, 24.7985, 17.7278

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.



105.4856, 76.1188, 61.6589



46.8628, 76.1188, 63.2614



96.1625, 76.1188, 159.1832

Square

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



46.8628, 76.1188, 63.2614



65.1275, 76.1188, 198.0469



105.7186, 76.1188, 106.1865



80.0847, 76.1188, 24.1630

Rectangle

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



46.8628, 76.1188, 63.2614



50.4875, 76.1188, 144.2033



105.7186, 76.1188, 106.1865



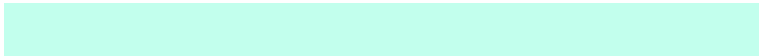
99.7538, 76.1188, 41.9991

Sweetspot

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



46.8636, 76.1192, 63.2627



73.1991, 89.0598, 93.2233



43.0662, 75.2174, 15.3817



15.1001, 18.7796, 19.4876



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.



46.8636, 76.1192, 63.2627



44.3104, 74.9549, 56.2796



43.5134, 56.1195, 103.1465



18.3099, 20.3835, 21.9347



22.9928, 39.0937, 28.9109



2.2870, 3.8257, 3.0691

Inverse Universe

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



45.3493, 24.7985, 17.7278



42.9276, 22.1122, 10.2705



45.6482, 29.1201, 6.3479



18.2329, 18.0765, 19.8435



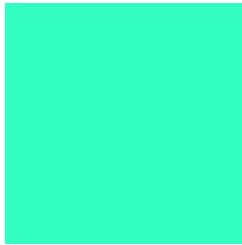
22.2920, 11.4061, 4.9222



2.2162, 1.1289, 0.7200

Previews

White Background



This preview shows how the XYZ color 46.8628, 76.1188, 63.2614 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 46.8628, 76.1188, 63.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

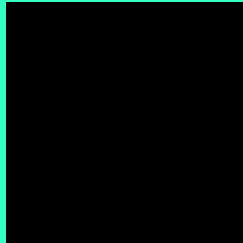
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8628, 76.1188, 63.2614

Background



This preview shows how black text looks on a background with the XYZ color 46.8628, 76.1188, 63.2614.

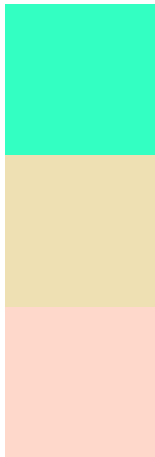


This preview shows how white text looks on a background with the XYZ color 46.8628, 76.1188,

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

46.8628, 76.1188, 63.2614

Protanopia

70.0522, 74.7431, 53.3825

Deuteranopia

75.8434, 74.3062, 66.8451



Tritanopia

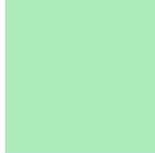
60.7117, 75.4695, 105.9750

Trichromacy



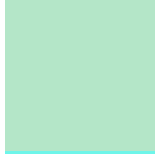
Original Color

46.8628, 76.1188, 63.2614



Protanomaly

54.9376, 71.4234, 56.2380



Deuteranomaly

57.5445, 70.4671, 65.2122



Tritanomaly

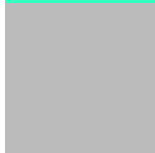
53.7908, 74.5030, 88.6362

Monochromacy



Original Color

46.8628, 76.1188, 63.2614



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.3190, 56.2079, 57.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8628, 76.1188, 63.2614 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(51, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 194)  
}
```

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(51, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 46.8628, 76.1188, 63.2614 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(51, 255, 194) }
```


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

```
.border{ border-color:rgb(51, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8628, 76.1188, 63.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 194) }
```

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

```
.background{ background-color: rgb(51, 255,  
194) }
```

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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