

Converting Colors

XYZ(53.6854, 93.5291, 71.2855)

Have a look what the booklet for
XYZ(53.6854, 93.5291, 71.2855)
contains.

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Color

**XYZ(46.4207, 75.7843,
68.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFCA
RGB	0, 255, 202
RGB Percent	0%, 100%, 79%
CMY	0.9998, 0.0000, 0.2078
CMYK	1.00, 0.00, 0.21, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.4207, 75.7843, 68.0583
YIQ	172.7130, -134.9670, -70.5430

Conversions

Conversions Part 2

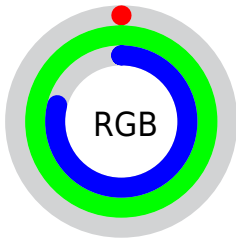
Format	Color
RYB	0, 142, 255
Decimal	65482
CIELab	89.76, -62.10, 11.34
CIELCh	90, 63.129, 169.651
Yxy	75.7843, 0.2440, 0.3983
Android (android.graphics.Color)	4278255562 (0xFF00FFCA)
YUV	172.7130, 14.4385, -151.4693
Hunter-Lab	87.0542, -57.1616, 14.5855

Details

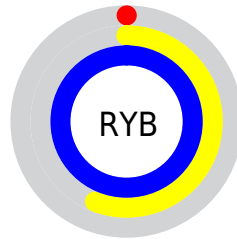
The XYZ color **46.4207, 75.7843, 68.0583** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.8841, 21.5185, 5.3195**, and the grayscale version is **39.5593, 41.6194, 45.3236**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.3115, 42.0706, 34.8034** is the 20% darker color. If you saturate the color by 10%, you get **46.4198, 75.7839, 68.0535**, and if you desaturate by 10%, it is **47.4741, 76.2535, 71.4421**.

Distribution



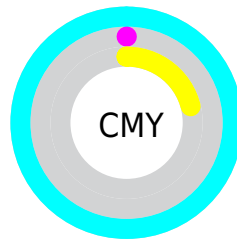
- Red (0%)
- Green (100%)
- Blue (79%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4207, 75.7843, 68.0583 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 46.4207, 75.7843, 68.0583 by changing the saturation by 10% instead.


 46.4207, 75.7843,
68.0583


 46.4207, 75.7843,
68.0583

363.1851,
480.6090, 472.3062


 32.7840, 56.2557,
49.4782


 84.0723, 127.4220,
118.0905


 22.1194, 40.4079,
34.6307


 108.8178,
160.2998, 150.3798


 14.0618, 27.8567,
23.0973


 137.9970,
198.3961, 188.0757

 8.2456, 18.2177,
14.4594

 171.9752,
242.0953, 231.5970

 4.3056, 11.1064,
8.2985

 211.1178,
291.7818, 281.3622

 1.8765, 6.1384,
4.1960

255.7900,

 0.5631, 2.9294,

347.8400, 337.7897

1.7335

306.3573,
410.6542, 401.2982

■ 0.0000, 1.0950,
0.3835

■ 0.0000, 0.0000,
0.0000

■ 46.4207, 75.7843,
68.0583

■ 46.4207, 75.7843,
68.0583

■ 46.4198, 75.7839,
68.0535

■ 47.4741, 76.2535,
71.4421

■ 49.0876, 77.0090,
74.9644

■ 51.4265, 78.1360,
78.6354

■ 54.5918, 79.6863,
82.4609

■ 58.6680, 81.7037,
86.4458

■ 63.7293, 84.2263,
90.5948

■ 69.8417, 87.2882,
94.9119

■ 77.0659, 90.9205,
99.4009

■ 85.4576, 95.1520,
104.0655

Harmonies

Analogous

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



51.5466, 75.7843, 38.5369



46.4207, 75.7843, 68.0583



47.3642, 75.7843, 114.8237

Triad

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



46.4207, 75.7843, 68.0583



82.5703, 75.7843, 192.4032



93.1943, 75.7843, 32.9182

Complementary

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



46.4207, 75.7843, 68.0583



41.8841, 21.5185, 5.3195

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.



104.0481, 75.7843, 56.9201



46.4207, 75.7843, 68.0583



97.3288, 75.7843, 151.3703

Square

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



46.4207, 75.7843, 68.0583



66.7876, 75.7843, 198.7985



105.6615, 75.7843, 98.8891



77.5412, 75.7843, 23.6611

Rectangle

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



46.4207, 75.7843, 68.0583



51.3595, 75.7843, 150.1760



105.6615, 75.7843, 98.8891



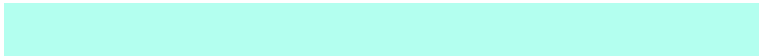
97.6153, 75.7843, 39.0199

Sweetspot

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



46.4215, 75.7847, 68.0597



69.8295, 87.2820, 94.9038



37.3516, 72.3405, 11.9958



14.3667, 18.3912, 19.9193



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.



46.4215, 75.7847, 68.0597



46.4198, 75.7839, 68.0535



34.9353, 40.9897, 100.6783



18.3836, 20.4130, 22.3229



24.3115, 39.6212, 35.8554



2.4059, 3.8733, 3.6951

Inverse Universe

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



41.8841, 21.5185, 5.3195



41.8828, 21.5171, 5.3148



43.5760, 25.9316, 2.7099



18.1638, 18.0488, 19.4797



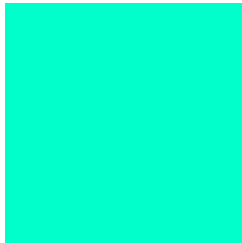
21.9276, 11.2604, 3.0035



2.1724, 1.1113, 0.4894

Previews

White Background



This preview shows how the XYZ color 46.4207, 75.7843, 68.0583 looks on a white background.

Color Contrast Check

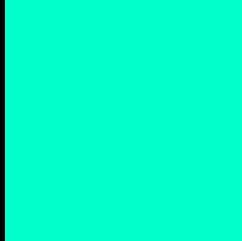
Large Text (above 18pt) WCAG AA × Fail

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 46.4207, 75.7843, 68.0583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

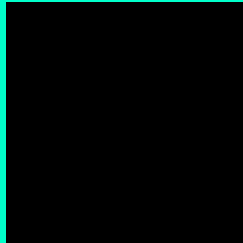
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4207, 75.7843, 68.0583

Background



This preview shows how black text looks on a background with the XYZ color 46.4207, 75.7843, 68.0583.

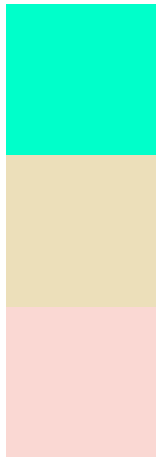


This preview shows how white text looks on a background with the XYZ color 46.4207, 75.7843,

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

46.4207, 75.7843, 68.0583

Protanopia

69.8427, 74.1534, 57.0863

Deuteranopia

75.7381, 74.1389, 71.9464



Tritanopia

60.0253, 75.1156, 105.9428

Trichromacy



Original Color

46.4207, 75.7843, 68.0583



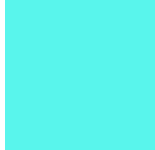
Protanomaly

51.8004, 69.7065, 60.5937



Deuteranomaly

53.9801, 68.5186, 70.0549



Tritanomaly

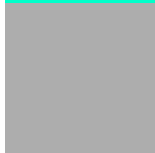
51.9126, 73.4848, 90.8048

Monochromacy



Original Color

46.4207, 75.7843, 68.0583



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.4381, 49.4876, 52.9790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4207, 75.7843, 68.0583 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, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 202)  
}
```

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, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 46.4207, 75.7843, 68.0583 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, 255, 202) }
```


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

```
.border{ border-color:rgb(0, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4207, 75.7843, 68.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 202) }
```

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

```
.background{ background-color: rgb(0, 255,  
202) }
```

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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