

Converting Colors

XYZ(47.1179, 90.6098, 72.5785)

Have a look what the booklet for
XYZ(47.1179, 90.6098, 72.5785)
contains.

XYZ(46.7794, 75.9278, 69.9476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.7794, 75.9278,
69.9476)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFCD
RGB	0, 255, 205
RGB Percent	0%, 100%, 80%
CMY	0.9998, 0.0000, 0.1961
CMYK	1.00, 0.00, 0.20, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.7794, 75.9278, 69.9476
YIQ	173.0550, -135.9300, -69.6100

Conversions

Conversions Part 2

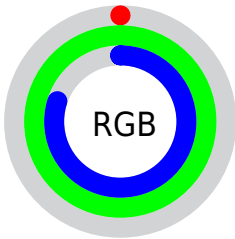
Format	Color
RYB	0, 141, 255
Decimal	65485
CIELab	89.83, -61.38, 9.89
CIELCh	90, 62.169, 170.849
Yxy	75.9278, 0.2428, 0.3941
Android (android.graphics.Color)	4278255565 (0xFF00FFCD)
YUV	173.0550, 15.7489, -151.7692
Hunter-Lab	87.1366, -56.6610, 13.4014

Details

The XYZ color **46.7794, 75.9278, 69.9476** is a light color, and the websafe version is hex **00FFCC**, and the color name is **sea green (crayola)**. The color can be described as light saturated cyan. A complement of this color would be **41.8170, 21.4915, 4.9663**, and the grayscale version is **39.7263, 41.7952, 45.5150**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.5522, 42.1669, 36.0704** is the 20% darker color. If you saturate the color by 10%, you get **46.7787, 75.9275, 69.9439**, and if you desaturate by 10%, it is **47.8076, 76.3869, 73.1989**.

Distribution



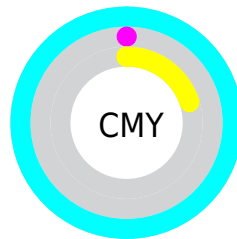
- Red (0%)
- Green (100%)
- Blue (80%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7794, 75.9278, 69.9476 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 46.7794, 75.9278, 69.9476 by changing the saturation by 10% instead.


 46.7794, 75.9278,
69.9476

 46.7794, 75.9278,
69.9476


364.5969,
481.1005, 479.1502


 33.0685, 56.3733,
51.0073


 84.6050, 127.6248,
120.8144


 22.3384, 40.5023,
35.8376


 109.4504,
160.5362, 153.5780


 14.2238, 27.9304,
24.0201


 138.7380,
198.6686, 191.7865

 8.3592, 18.2732,
15.1362

 172.8332,
242.4065, 235.8583

 4.3794, 11.1463,
8.7674

 212.1014,
292.1342, 286.2120

 1.9189, 6.1653,
4.4950

256.9078,

 0.5878, 2.9459,

348.2362, 343.2662

1.9006

307.6179,
411.0968, 407.4394

■ 0.0000, 1.1035,
0.4931

■ 0.0000, 0.0000,
0.0000

■ 46.7794, 75.9278,
69.9476

■ 46.7794, 75.9278,
69.9476

■ 46.7787, 75.9275,
69.9439

■ 47.8076, 76.3869,
73.1989

■ 49.3935, 77.1313,
76.5767

■ 51.7024, 78.2463,
80.0909

■ 54.8353, 79.7836,
83.7470

■ 58.8768, 81.7871,
87.5500

■ 63.9008, 84.2948,
91.5041

■ 69.9735, 87.3407,
95.6134

■ 77.1555, 90.9561,
99.8814

■ 85.5024, 95.1697,
104.3117

Harmonies

Analogous

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



51.6180, 75.9278, 39.9724



46.7794, 75.9278, 69.9476



47.9549, 75.9278, 116.5433

Triad

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



46.7794, 75.9278, 69.9476



83.1865, 75.9278, 189.4618



92.4462, 75.9278, 32.9297

Complementary

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



46.7794, 75.9278, 69.9476



41.8170, 21.4915, 4.9663

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.



103.4037, 75.9278, 56.0961



46.7794, 75.9278, 69.9476



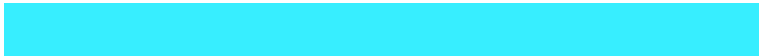
97.5532, 75.9278, 148.3286

Square

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



46.7794, 75.9278, 69.9476



67.5752, 75.9278, 197.3163



105.3946, 75.9278, 96.8540



76.9624, 75.9278, 24.1599

Rectangle

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



46.7794, 75.9278, 69.9476



52.0687, 75.9278, 151.1785



105.3946, 75.9278, 96.8540



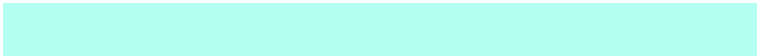
96.8678, 75.9278, 38.8026

Sweetspot

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



46.7802, 75.9281, 69.9490



69.9630, 87.3354, 95.6067



37.1271, 72.2247, 11.9851



14.3989, 18.4041, 20.0888



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.



46.7802, 75.9281, 69.9490



46.7787, 75.9275, 69.9439



34.0730, 39.2653, 100.3909



18.3932, 20.4168, 22.3733



24.4969, 39.6954, 36.8317



2.4224, 3.8799, 3.7820

Inverse Universe

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



41.8170, 21.4915, 4.9663



41.8159, 21.4903, 4.9624



43.8612, 26.5021, 2.8048



18.1549, 18.0453, 19.4331



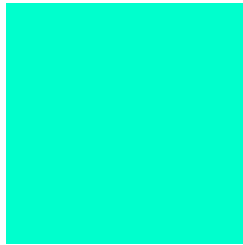
21.8907, 11.2456, 2.8089



2.1676, 1.1094, 0.4640

Previews

White Background



This preview shows how the XYZ color 46.7794, 75.9278, 69.9476 looks on a white background.

Color Contrast Check

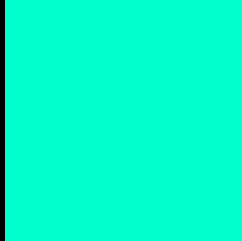
Large Text (above 18pt) WCAG AA × Fail

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 46.7794, 75.9278, 69.9476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

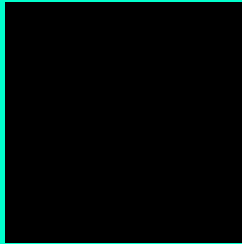
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7794, 75.9278, 69.9476

Background



This preview shows how black text looks on a background with the XYZ color 46.7794, 75.9278, 69.9476.

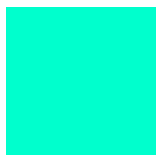


This preview shows how white text looks on a background with the XYZ color 46.7794, 75.9278, 69.9476.

Color Blindness Simulation

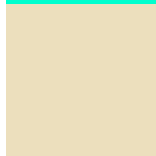
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.7794, 75.9278, 69.9476



Protanopia

70.1651, 74.2823, 58.7839



Deuteranopia

75.7604, 74.1065, 73.9293



Tritanopia

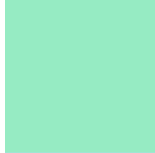
60.1946, 75.2029, 105.9508

Trichromacy



Original Color

46.7794, 75.9278, 69.9476



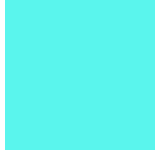
Protanomaly

52.1363, 69.8408, 62.3625



Deuteranomaly

54.1552, 68.5659, 72.0083



Tritanomaly

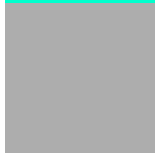
52.1549, 73.5929, 91.5768

Monochromacy



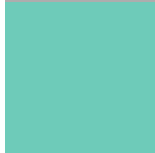
Original Color

46.7794, 75.9278, 69.9476



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.5433, 49.5297, 53.5331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7794, 75.9278, 69.9476 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.7794, 75.9278, 69.9476 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, 205) }
```


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

```
.border{ border-color:rgb(0, 255, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7794, 75.9278, 69.9476 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, 205) }
```

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

```
.background{ background-color: rgb(0, 255,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor