

Converting Colors

XYZ(47.0185, 76.1667, 64.7335)

Have a look what the booklet for
XYZ(47.0185, 76.1667, 64.7335)
contains.

XYZ(46.9427, 76.1339, 64.4457)	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(46.9427, 76.1339,
64.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	30FFC4
RGB	48, 255, 196
RGB Percent	19%, 100%, 77%
CMY	0.8117, 0.0000, 0.2314
CMYK	0.81, 0.00, 0.23, 0.00
HSL	163°, 100%, 59%
HSV	163°, 81%, 100%
XYZ	46.9427, 76.1339, 64.4457
YIQ	186.3810, -104.4330, -62.2330

Conversions

Conversions Part 2

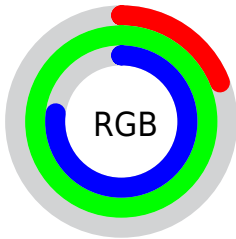
Format	Color
RYB	48, 169, 255
Decimal	3211204
CIELab	89.92, -61.33, 14.70
CIELCh	90, 63.068, 166.520
Yxy	76.1339, 0.2503, 0.4060
Android (android.graphics.Color)	4281401284 (0xFF30FFC4)
YUV	186.3810, 4.7422, -121.3601
Hunter-Lab	87.2547, -56.6635, 17.2872

Details

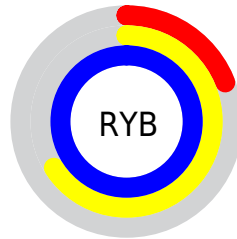
The XYZ color **46.9427, 76.1339, 64.4457** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.9516, 24.4365, 16.2596**, and the grayscale version is **46.9033, 49.3459, 53.7377**.

A 20% lighter version of the original color is **62.5429, 83.2790, 105.7066**, and **24.8487, 41.8855, 32.3662** is the 20% darker color. If you saturate the color by 10%, you get **45.2587, 75.3590, 60.1532**, and if you desaturate by 10%, it is **49.3582, 77.2812, 68.9843**.

Distribution



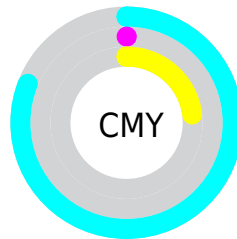
- Red (19%)
- Green (100%)
- Blue (77%)



- Red (19%)
- Yellow (66%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9427, 76.1339, 64.4457 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 46.9427, 76.1339, 64.4457 by changing the saturation by 10% instead.


 46.9427, 76.1339,
64.4457


 46.9427, 76.1339,
64.4457


365.2385,
481.8059, 459.0489

 33.1981, 56.5423,
46.5633


 84.8473, 127.9162,
112.8582


 22.4382, 40.6379,
32.3387


 109.7381,
160.8756, 144.2254

 14.2977, 28.0362,
21.3534


 139.0750,
199.0598, 180.9245

 8.4111, 18.3530,
13.1888

 173.2234,
242.8532, 223.3742

 4.4131, 11.2037,
7.4264

212.5485,
292.6401, 271.9929

 1.9384, 6.2040,
3.6477

257.4159,

 0.5990, 2.9695,

348.8049, 327.1993

1.4341

308.1907,
411.7321, 389.4118

■ 0.0000, 1.1158,
0.1681

■ 0.0000, 0.0000,
0.0000

■ 46.9427, 76.1339,
64.4457

■ 46.9427, 76.1339,
64.4457

■ 45.2587, 75.3590,
60.1532

■ 49.3582, 77.2812,
68.9843

■ 44.2364, 74.9106,
56.5561

■ 52.6068, 78.8533,
73.7727

■ 56.7757, 80.8950,
78.8191

■ 61.9404, 83.4453,
84.1298

■ 68.1683, 86.5388,
89.7106

■ 75.5206, 90.2071,
95.5671

■ 84.0542, 94.4793,
101.7045

■ 93.8217, 99.3826,
108.1279

■ 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.



52.7111, 76.1339, 36.7310



46.9427, 76.1339, 64.4457



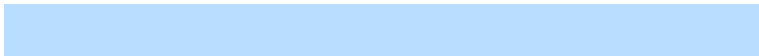
47.2520, 76.1339, 109.7957

Triad

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



46.9427, 76.1339, 64.4457



81.2298, 76.1339, 195.5065



95.0214, 76.1339, 34.8895

Complementary

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



46.9427, 76.1339, 64.4457



44.9516, 24.4365, 16.2596

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.



105.0891, 76.1339, 60.7947



46.9427, 76.1339, 64.4457



96.3773, 76.1339, 157.1493

Square

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



46.9427, 76.1339, 64.4457



65.5954, 76.1339, 197.6040



105.6182, 76.1339, 104.5712



79.5807, 76.1339, 24.2867

Rectangle

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



46.9427, 76.1339, 64.4457



50.8394, 76.1339, 145.2316



105.6182, 76.1339, 104.5712



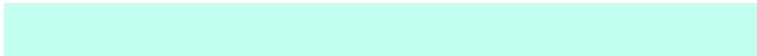
99.2375, 76.1339, 41.5707

Sweetspot

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



46.9435, 76.1342, 64.4470



73.3243, 89.1099, 93.8829



42.7375, 75.0554, 15.0321



15.1304, 18.7917, 19.6473



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.



46.9435, 76.1342, 64.4470



44.5598, 75.0510, 57.7595



43.2154, 55.7406, 103.0891



18.3211, 20.3880, 21.9940



23.1820, 39.1694, 29.9073



2.3042, 3.8326, 3.1598

Inverse Universe

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



44.9516, 24.4365, 16.2596



42.7036, 21.9783, 9.2278



45.3802, 28.6864, 5.9426



18.2222, 18.0722, 19.7873



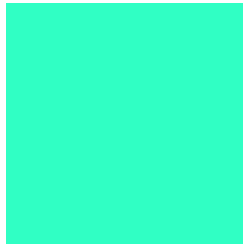
22.2267, 11.3800, 4.5784



2.2087, 1.1259, 0.6805

Previews

White Background



This preview shows how the XYZ color 46.9427, 76.1339, 64.4457 looks on a white background.

Color Contrast Check

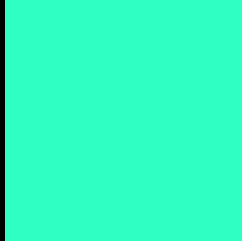
Large Text (above 18pt) WCAG AA × Fail

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 46.9427, 76.1339, 64.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

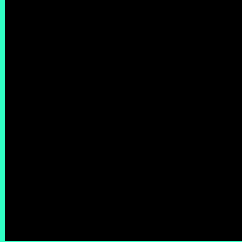
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9427, 76.1339, 64.4457

Background



This preview shows how black text looks on a background with the XYZ color 46.9427, 76.1339, 64.4457.



This preview shows how white text looks on a background with the XYZ color 46.9427, 76.1339, 64.4457.

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

46.9427, 76.1339, 64.4457

Protanopia

70.2560, 74.8246, 54.4558

Deuteranopia

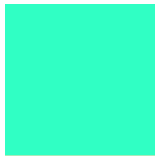
76.0833, 74.4022, 68.1086



Tritanopia

60.5378, 75.3798, 105.9668

Trichromacy



Original Color

46.9427, 76.1339, 64.4457



Protanomaly

54.9334, 71.3968, 57.3400



Deuteranomaly

57.3176, 70.3229, 66.4298



Tritanomaly

53.6880, 74.4335, 89.3793

Monochromacy



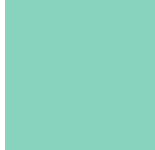
Original Color

46.9427, 76.1339, 64.4457



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.7419, 55.5405, 57.1828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9427, 76.1339, 64.4457 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(48, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 196)  
}
```

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(48, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.9427, 76.1339, 64.4457 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(48, 255, 196) }
```


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

```
.border{ border-color:rgb(48, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(48, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9427, 76.1339, 64.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 196) }
```

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

```
.background{ background-color: rgb(48, 255,  
196) }
```

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