

Converting Colors

XYZ(47.1777, 76.1882, 67.4776)

Have a look what the booklet for
XYZ(47.1777, 76.1882, 67.4776)
contains.

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Color

**XYZ(47.1777, 76.1882,
67.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	28FFC9
RGB	40, 255, 201
RGB Percent	16%, 100%, 79%
CMY	0.8431, 0.0000, 0.2118
CMYK	0.84, 0.00, 0.21, 0.00
HSL	165°, 100%, 58%
HSV	165°, 84%, 100%
XYZ	47.1777, 76.1882, 67.4776
YIQ	184.5590, -110.8060, -62.3740

Conversions

Conversions Part 2

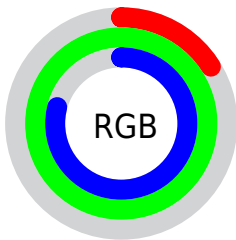
Format	Color
RYB	40, 163, 255
Decimal	2686921
CIELab	89.95, -60.78, 12.15
CIELCh	90, 61.984, 168.694
Yxy	76.1882, 0.2472, 0.3992
Android (android.graphics.Color)	4280877001 (0xFF28FFC9)
YUV	184.5590, 8.1054, -126.7782
Hunter-Lab	87.2859, -56.2716, 15.2651

Details

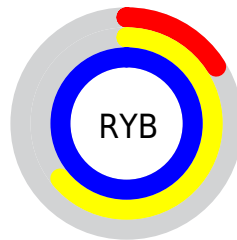
The XYZ color **47.1777, 76.1882, 67.4776** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.0202, 23.5869, 12.8251**, and the grayscale version is **45.8717, 48.2606, 52.5558**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **25.2327, 42.0391, 34.3882** is the 20% darker color. If you saturate the color by 10%, you get **45.7540, 75.5395, 63.5605**, and if you desaturate by 10%, it is **49.2865, 77.1864, 71.5935**.

Distribution



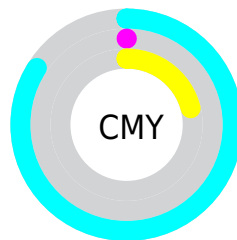
- Red (16%)
- Green (100%)
- Blue (79%)



- Red (16%)
- Yellow (64%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1777, 76.1882, 67.4776 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 47.1777, 76.1882, 67.4776 by changing the saturation by 10% instead.


 47.1777, 76.1882,
67.4776


 47.1777, 76.1882,
67.4776


366.1605,
481.9917, 470.1906


 33.3847, 56.5868,
49.0088


 85.1959, 127.9929,
117.2516


 22.5820, 40.6736,
34.2608


 110.1519,
160.9650, 149.3940

 14.4041, 28.0641,
22.8151

 139.5595,
199.1629, 186.9313

 8.4858, 18.3740,
14.2530

 173.7842,
242.9709, 230.2820

 4.4618, 11.2188,
8.1561

213.1913,
292.7733, 279.8648

 1.9665, 6.2142,
4.1058

258.1461,

 0.6151, 2.9758,

348.9547, 336.0981

1.6836

309.0141,
411.8993, 399.4005

■ 0.0000, 1.1191,
0.3494

■ 0.0000, 0.0000,
0.0000

■ 47.1777, 76.1882,
67.4776

■ 47.1777, 76.1882,
67.4776

■ 45.7540, 75.5395,
63.5605

■ 49.2865, 77.1864,
71.5935

■ 45.1587, 75.2795,
61.4127

■ 52.1893, 78.5903,
75.9111

■ 55.9780, 80.4471,
80.4381

■ 60.7306, 82.7972,
85.1800

■ 66.5169, 85.6763,
90.1418

■ 73.3997, 89.1168,
95.3283

■ 81.4368, 93.1485,
100.7440

■ 90.6820, 97.7991,
106.3932

■ 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.



52.4458, 76.1882, 38.7671



47.1777, 76.1882, 67.4776



47.9207, 76.1882, 113.0740

Triad

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



47.1777, 76.1882, 67.4776



82.2829, 76.1882, 191.4151



93.6739, 76.1882, 34.3151

Complementary

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



47.1777, 76.1882, 67.4776



44.0202, 23.5869, 12.8251

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.



104.0907, 76.1882, 58.7258



47.1777, 76.1882, 67.4776



96.9003, 76.1882, 152.1153

Square

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



47.1777, 76.1882, 67.4776



66.7864, 76.1882, 196.3758



105.3484, 76.1882, 100.6370



78.3504, 76.1882, 24.6448

Rectangle

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



47.1777, 76.1882, 67.4776



51.7524, 76.1882, 147.7416



105.3484, 76.1882, 100.6370



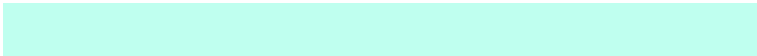
97.9529, 76.1882, 40.5695

Sweetspot

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



47.1785, 76.1885, 67.4789



72.8870, 88.8601, 94.9622



41.1097, 74.2336, 14.1705



15.0616, 18.7499, 19.9314



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

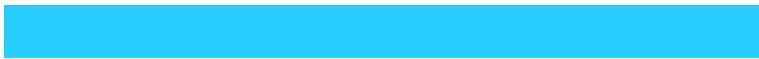
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1785, 76.1885, 67.4789



45.1587, 75.2795, 61.4127



40.7179, 51.2559, 102.3551



18.3485, 20.3989, 22.1379



23.6595, 39.3604, 32.4220



2.3474, 3.8499, 3.3874

Inverse Universe

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



44.0202, 23.5869, 12.8251



42.1668, 21.6307, 6.8104



45.2944, 28.7556, 5.1718



18.1965, 18.0619, 19.6520



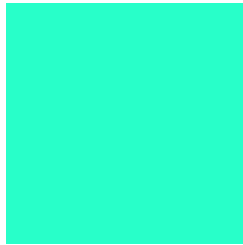
22.0830, 11.3225, 3.8218



2.1917, 1.1191, 0.5912

Previews

White Background



This preview shows how the XYZ color 47.1777, 76.1882, 67.4776 looks on a white background.

Color Contrast Check

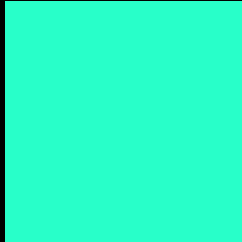
Large Text (above 18pt) WCAG AA × Fail

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 47.1777, 76.1882, 67.4776 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

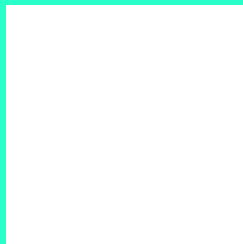
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1777, 76.1882, 67.4776

Background



This preview shows how black text looks on a background with the XYZ color 47.1777, 76.1882, 67.4776.



This preview shows how white text looks on a background with the XYZ color 47.1777, 76.1882,

Color Blindness Simulation

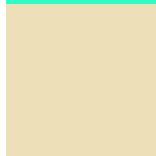
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.1777, 76.1882, 67.4776



Protanopia

70.3377, 74.8186, 56.6332



Deuteranopia

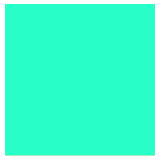
75.8482, 74.2244, 70.6507



Tritanopia

60.5378, 75.3798, 105.9668

Trichromacy



Original Color

47.1777, 76.1882, 67.4776



Protanomaly

54.6294, 71.1776, 60.1496



Deuteranomaly

56.8930, 70.0485, 68.9147



Tritanomaly

53.5917, 74.3671, 90.1270

Monochromacy



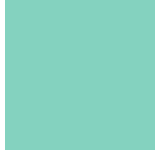
Original Color

47.1777, 76.1882, 67.4776



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.9663, 54.7603, 57.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1777, 76.1882, 67.4776 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(40, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(40, 255, 201)  
}
```

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(40, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 47.1777, 76.1882, 67.4776 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(40, 255, 201) }
```


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

```
.border{ border-color:rgb(40, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1777, 76.1882, 67.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 201) }
```

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

```
.background{ background-color: rgb(40, 255,  
201) }
```

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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