

Converting Colors

XYZ(48.1717, 76.4847, 77.2780)

Have a look what the booklet for
XYZ(48.1717, 76.4847, 77.2780)
contains.

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Color

**XYZ(48.1547, 76.4779,
77.1894)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFD8
RGB	0, 255, 216
RGB Percent	0%, 100%, 85%
CMY	0.9998, 0.0000, 0.1529
CMYK	1.00, 0.00, 0.15, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.1547, 76.4779, 77.1894
YIQ	174.3090, -139.4610, -66.1890

Conversions

Conversions Part 2

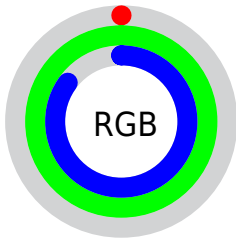
Format	Color
RYB	0, 138, 255
Decimal	65496
CIELab	90.08, -58.65, 4.57
CIELCh	90, 58.823, 175.548
Yxy	76.4779, 0.2386, 0.3789
Android (android.graphics.Color)	4278255576 (0xFF00FFD8)
YUV	174.3090, 20.5537, -152.8690
Hunter-Lab	87.4516, -54.7505, 8.8837

Details

The XYZ color **48.1547, 76.4779, 77.1894** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.6077, 21.4080, 3.8632**, and the grayscale version is **40.3481, 42.4493, 46.2273**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.3993, 42.5057, 40.5313** is the 20% darker color. If you saturate the color by 10%, you get **48.1538, 76.4775, 77.1851**, and if you desaturate by 10%, it is **49.0801, 76.8959, 79.8981**.

Distribution



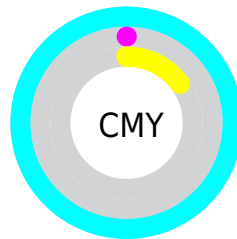
- Red (0%)
- Green (100%)
- Blue (85%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1547, 76.4779, 77.1894 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 48.1547, 76.4779, 77.1894 by changing the saturation by 10% instead.


 48.1547, 76.4779,
77.1894


 48.1547, 76.4779,
77.1894


369.9774,
482.9821, 504.8644


 34.1612, 56.8245,
56.8958


 86.6430, 128.4022,
131.1823


 23.1809, 40.8643,
40.5128


 111.8685,
161.4419, 165.7186

 14.8486, 28.2131,
27.6218


 141.5686,
199.7124, 205.8397

 8.7988, 18.4864,
17.8042

 176.1089,
243.5983, 251.9640

 4.6662, 11.2997,
10.6415

 215.8545,
293.4837, 304.5101

 2.0855, 6.2688,
5.7152

261.1709,

 0.6813, 3.0092,

349.7533, 363.8965

2.6067

312.4234,
412.7912, 430.5417

■ 0.0000, 1.1365,
0.8959

■ 0.0000, 0.0089,
0.0000

■ 48.1547, 76.4779,
77.1894

■ 48.1547, 76.4779,
77.1894

■ 48.1538, 76.4775,
77.1851

■ 49.0801, 76.8959,
79.8981

■ 50.5559, 77.5964,
82.6942

■ 52.7473, 78.6643,
85.5871

■ 55.7550, 80.1517,
88.5820

■ 59.6637, 82.1021,
91.6831

■ 64.5472, 84.5536,
94.8945

■ 70.4716, 87.5403,
98.2196

■ 77.4973, 91.0933,
101.6615

■ 85.6799, 95.2412,
105.2234

Harmonies

Analogous

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



51.9240, 76.4779, 45.5878



48.1547, 76.4779, 77.1894



50.2033, 76.4779, 122.9495

Triad

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



48.1547, 76.4779, 77.1894



85.4723, 76.4779, 178.8278



89.7434, 76.4779, 33.0367

Complementary

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



48.1547, 76.4779, 77.1894



41.6077, 21.4080, 3.8632

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.



101.0521, 76.4779, 53.2054



48.1547, 76.4779, 77.1894



98.3639, 76.4779, 137.4942

Square

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



48.1547, 76.4779, 77.1894



70.5340, 76.4779, 191.8022



104.3997, 76.4779, 89.6648



74.8893, 76.4779, 26.1088

Rectangle

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



48.1547, 76.4779, 77.1894



54.7604, 76.4779, 154.7988



104.3997, 76.4779, 89.6648



94.1594, 76.4779, 38.0782

Sweetspot

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



48.1556, 76.4783, 77.1908



70.4578, 87.5333, 98.2123



36.7376, 72.0239, 11.9673



14.5184, 18.4519, 20.7184



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.



48.1556, 76.4783, 77.1908



48.1538, 76.4775, 77.1851



32.4288, 35.9766, 99.8427



18.4284, 20.4309, 22.5589



25.2065, 39.9792, 40.5684



2.4851, 3.9050, 4.1126

Inverse Universe

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



41.6077, 21.4080, 3.8632



41.6063, 21.4065, 3.8590



44.4917, 27.7629, 3.0154



18.1226, 18.0324, 19.2628



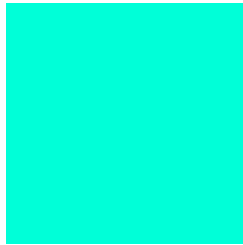
21.7737, 11.1988, 2.1930



2.1516, 1.1030, 0.3795

Previews

White Background



This preview shows how the XYZ color 48.1547, 76.4779, 77.1894 looks on a white background.

Color Contrast Check

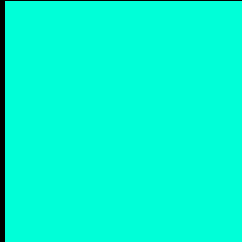
Large Text (above 18pt) WCAG AA × Fail

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 48.1547, 76.4779, 77.1894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

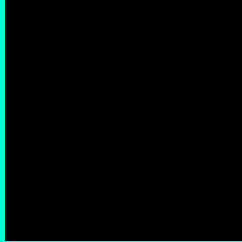
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1547, 76.4779, 77.1894

Background



This preview shows how black text looks on a background with the XYZ color 48.1547, 76.4779, 77.1894.

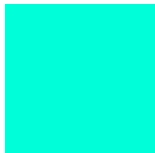


This preview shows how white text looks on a background with the XYZ color 48.1547, 76.4779, 77.1894.

Color Blindness Simulation

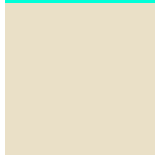
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



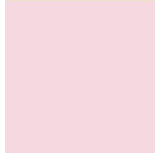
Original Color

48.1547, 76.4779, 77.1894



Protanopia

70.8961, 74.9273, 64.7586



Deuteranopia

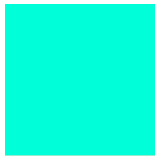
76.2734, 74.6004, 80.9003



Tritanopia

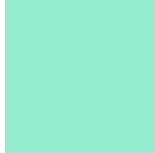
61.0069, 76.0599, 106.0734

Trichromacy



Original Color

48.1547, 76.4779, 77.1894



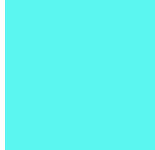
Protanomaly

53.1222, 70.2140, 68.5104



Deuteranomaly

55.5317, 69.5404, 78.9024



Tritanomaly

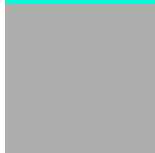
53.2466, 74.5377, 94.7999

Monochromacy



Original Color

48.1547, 76.4779, 77.1894



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.0968, 49.7655, 55.7946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1547, 76.4779, 77.1894 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.1547, 76.4779, 77.1894 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, 216) }
```


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

```
.border{ border-color:rgb(0, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1547, 76.4779, 77.1894 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, 216) }
```

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

```
.background{ background-color: rgb(0, 255,  
216) }
```

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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