

Converting Colors

XYZ(48.5530, 76.6851, 77.1233)

Have a look what the booklet for
XYZ(48.5530, 76.6851, 77.1233)
contains.

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Color

**XYZ(48.5807, 76.6975,
77.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFFD8
RGB	26, 255, 216
RGB Percent	10%, 100%, 85%
CMY	0.8979, 0.0000, 0.1529
CMYK	0.90, 0.00, 0.15, 0.00
HSL	170°, 100%, 55%
HSV	170°, 90%, 100%
XYZ	48.5807, 76.6975, 77.2094
YIQ	182.0830, -123.9650, -60.6770

Conversions

Conversions Part 2

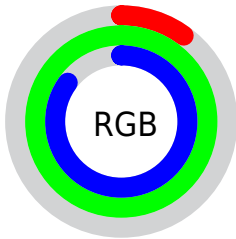
Format	Color
RYB	26, 151, 255
Decimal	1769432
CIELab	90.18, -57.91, 4.73
CIELCh	90, 58.103, 175.335
Yxy	76.6975, 0.2399, 0.3788
Android (android.graphics.Color)	4279959512 (0xFF1AFFD8)
YUV	182.0830, 16.7211, -136.8848
Hunter-Lab	87.5771, -54.2426, 9.0330

Details

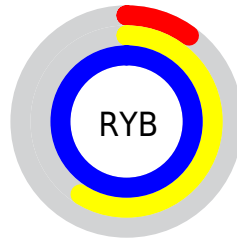
The XYZ color **48.5807, 76.6975, 77.2094** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **42.5648, 22.3819, 7.0814**, and the grayscale version is **44.4727, 46.7888, 50.9530**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **26.3993, 42.5057, 40.5313** is the 20% darker color. If you saturate the color by 10%, you get **47.6073, 76.2597, 74.2725**, and if you desaturate by 10%, it is **50.1159, 77.4232, 80.2528**.

Distribution



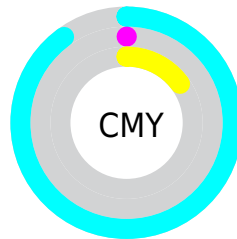
- Red (10%)
- Green (100%)
- Blue (85%)



- Red (10%)
- Yellow (59%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5807, 76.6975, 77.2094 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 48.5807, 76.6975, 77.2094 by changing the saturation by 10% instead.


 48.5807, 76.6975,
77.2094


 48.5807, 76.6975,
77.2094


371.6337,
483.7320, 504.9343


 34.5001, 57.0046,
56.9122


 87.2729, 128.7124,
131.2107


 23.4428, 41.0090,
40.5258


 112.6152,
161.8032, 165.7519

 15.0433, 28.3261,
27.6319


 142.4421,
200.1288, 205.8782

 8.9363, 18.5716,
17.8117

 177.1190,
244.0735, 252.0080

 4.7564, 11.3611,
10.6469

217.0113,
294.0218, 304.5600

 2.1383, 6.3103,
5.7187

262.4843,

 0.7099, 3.0347,

350.3581, 363.9527

2.6088

313.9033,
413.4667, 430.6046

■ 0.0000, 1.1499,
0.8970

■ 0.0000, 0.0202,
0.0000

■ 48.5807, 76.6975,
77.2094

■ 48.5807, 76.6975,
77.2094

■ 47.6073, 76.2597,
74.2725

■ 50.1159, 77.4232,
80.2528

■ 47.5894, 76.2518,
74.2127

■ 52.3708, 78.5181,
83.4066

■ 55.4466, 80.0345,
86.6775

■ 59.4276, 82.0158,
90.0699

■ 64.3876, 84.5001,
93.5879

■ 70.3926, 87.5213,
97.2352

■ 77.5029, 91.1105,
101.0151

■ 85.7742, 95.2964,
104.9307

■ 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.



52.3647, 76.6975, 45.9582



48.5807, 76.6975, 77.2094



50.5745, 76.6975, 122.3650

Triad

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



48.5807, 76.6975, 77.2094



85.4361, 76.6975, 177.9615



89.8576, 76.6975, 33.6981

Complementary

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



48.5807, 76.6975, 77.2094



42.5648, 22.3819, 7.0814

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.



100.9813, 76.6975, 53.8978



48.5807, 76.6975, 77.2094



98.2013, 76.6975, 137.3905

Square

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



48.5807, 76.6975, 77.2094



70.6639, 76.6975, 190.4717



104.2192, 76.6975, 90.1455



75.1800, 76.6975, 26.6865

Rectangle

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



48.5807, 76.6975, 77.2094



55.0719, 76.6975, 153.7882



104.2192, 76.6975, 90.1455



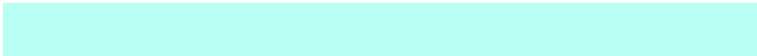
94.2088, 76.6975, 38.7635

Sweetspot

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



48.5816, 76.6979, 77.2108



72.2652, 88.4655, 98.2777



38.3310, 72.8238, 13.0150



14.9804, 18.6895, 20.7631



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.



48.5816, 76.6979, 77.2108



47.5894, 76.2518, 74.2127



35.3055, 41.0976, 100.6796



18.4142, 20.4252, 22.4842



24.9154, 39.8627, 39.0352



2.4595, 3.8947, 3.9773

Inverse Universe

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



42.5648, 22.3819, 7.0814



41.6840, 21.4376, 4.2680



45.8446, 30.1705, 4.3860



18.1356, 18.0375, 19.3312



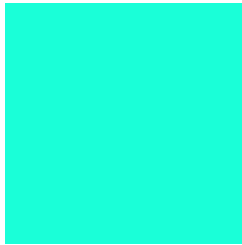
21.8174, 11.2162, 2.4227



2.1577, 1.1055, 0.4120

Previews

White Background



This preview shows how the XYZ color 48.5807, 76.6975, 77.2094 looks on a white background.

Color Contrast Check

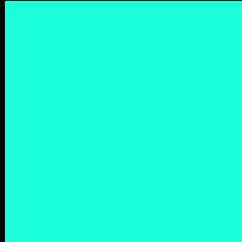
Large Text (above 18pt) WCAG AA × Fail

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 48.5807, 76.6975, 77.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

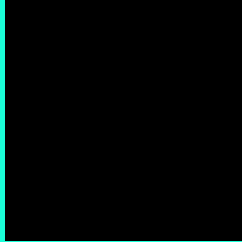
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

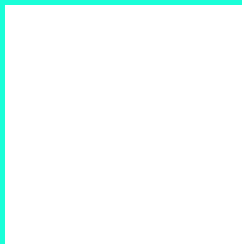
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5807, 76.6975, 77.2094

Background



This preview shows how black text looks on a background with the XYZ color 48.5807, 76.6975, 77.2094.



This preview shows how white text looks on a background with the XYZ color 48.5807, 76.6975,

Color Blindness Simulation

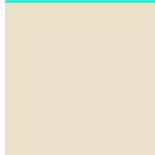
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



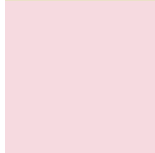
Original Color

48.5807, 76.6975, 77.2094



Protanopia

71.3419, 75.1436, 65.3876



Deuteranopia

76.5320, 75.1175, 80.9865



Tritanopia

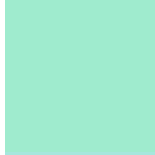
61.1824, 76.1503, 106.0816

Trichromacy



Original Color

48.5807, 76.6975, 77.2094



Protanomaly

55.1470, 71.2438, 69.2374



Deuteranomaly

57.3529, 70.4793, 78.9877



Tritanomaly

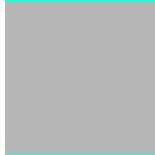
54.3124, 75.0872, 94.8498

Monochromacy



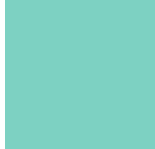
Original Color

48.5807, 76.6975, 77.2094



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.9955, 53.8559, 59.2735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5807, 76.6975, 77.2094 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(26, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.5807, 76.6975, 77.2094 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(26, 255, 216) }
```


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

```
.border{ border-color:rgb(26, 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(26, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5807, 76.6975, 77.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 216) }
```

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

```
.background{ background-color: rgb(26, 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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