

Converting Colors

XYZ(48.9994, 77.1416, 66.9178)

Have a look what the booklet for
XYZ(48.9994, 77.1416, 66.9178)
contains.

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Color

**XYZ(49.0094, 77.1460,
66.9512)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFFC8
RGB	74, 255, 200
RGB Percent	29%, 100%, 78%
CMY	0.7098, 0.0000, 0.2157
CMYK	0.71, 0.00, 0.22, 0.00
HSL	162°, 100%, 65%
HSV	162°, 71%, 100%
XYZ	49.0094, 77.1460, 66.9512
YIQ	194.6110, -90.2210, -55.4770

Conversions

Conversions Part 2

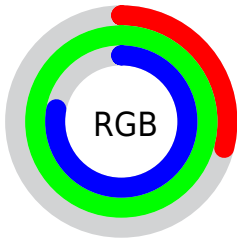
Format	Color
RYB	74, 181, 255
Decimal	4915144
CIELab	90.39, -57.63, 13.36
CIElCh	90, 59.156, 166.949
Yxy	77.1460, 0.2538, 0.3995
Android (android.graphics.Color)	4283105224 (0xFF4AFFC8)
YUV	194.6110, 2.6568, -105.7758
Hunter-Lab	87.8328, -54.1070, 16.2887

Details

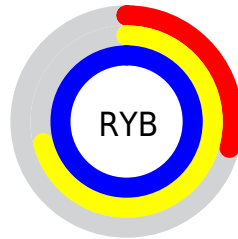
The XYZ color **49.0094, 77.1460, 66.9512** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **47.6520, 27.7436, 23.6141**, and the grayscale version is **51.6643, 54.3549, 59.1925**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **25.1546, 42.0078, 33.9767** is the 20% darker color. If you saturate the color by 10%, you get **46.5455, 75.9778, 62.2286**, and if you desaturate by 10%, it is **52.3157, 78.7431, 71.9555**.

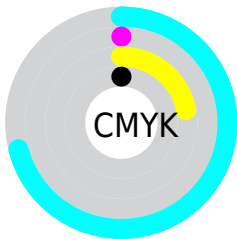
Distribution



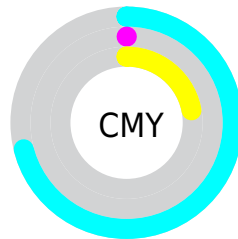
- Red (29%)
- Green (100%)
- Blue (78%)



- Red (29%)
- Yellow (71%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0094, 77.1460, 66.9512 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 49.0094, 77.1460, 66.9512 by changing the saturation by 10% instead.

 49.0094, 77.1460,
66.9512

 49.0094, 77.1460,
66.9512


373.2957,
485.2617, 468.2678


 34.8415, 57.3727,
48.5836


 87.9061, 129.3456,
116.4905


 23.7067, 41.3046,
33.9260


 113.3655,
162.5406, 148.4992

 15.2398, 28.5571,
22.5599


 143.3196,
200.9784, 185.8922

 9.0753, 18.7461,
14.0666

 178.1335,
245.0432, 229.0878

 4.8478, 11.4869,
8.0277

218.1727,
295.1196, 278.5046

 2.1921, 6.3954,
4.0247

263.8026,

 0.7386, 3.0869,

351.5919, 334.5612

1.6389

315.3885,
414.8444, 397.6761

■ 0.0000, 1.1773,
0.3183

■ 0.0000, 0.0430,
0.0000

■ 49.0094, 77.1460,
66.9512

■ 49.0094, 77.1460,
66.9512

■ 46.5455, 75.9778,
62.2286

■ 52.3157, 78.7431,
71.9555


■ 44.8183, 75.1842,
57.7752


■ 56.5485, 80.8125,
77.2449


■ 43.7471, 74.7149,
53.9797


■ 61.7840, 83.3934,
82.8277

■ 68.0895, 86.5203,
88.7102

 75.5264, 90.2249,
94.8987

 84.1513, 94.5363,
101.3988

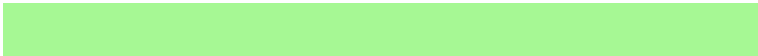
 94.0171, 99.4816,
108.2163

 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.



54.4818, 77.1460, 39.8381



49.0094, 77.1460, 66.9512



49.3924, 77.1460, 109.9884

Triad

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



49.0094, 77.1460, 66.9512



81.9126, 77.1460, 188.1866



94.4523, 77.1460, 37.5075

Complementary

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



49.0094, 77.1460, 66.9512



47.6520, 27.7436, 23.6141

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.



103.9567, 77.1460, 62.4644



49.0094, 77.1460, 66.9512



96.0777, 77.1460, 152.5873

Square

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



49.0094, 77.1460, 66.9512



67.1019, 77.1460, 190.6473



104.5885, 77.1460, 103.7195



79.9213, 77.1460, 27.0968

Rectangle

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



49.0094, 77.1460, 66.9512



52.9046, 77.1460, 142.9331



104.5885, 77.1460, 103.7195



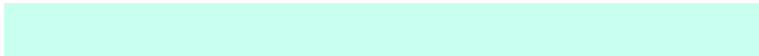
98.4212, 77.1460, 44.0054

Sweetspot

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



49.0102, 77.1464, 66.9526



75.5084, 90.2159, 94.8844



46.4062, 76.8655, 18.8705



15.6976, 19.0783, 19.9368



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.



49.0102, 77.1464, 66.9526



45.7687, 75.6169, 60.4052



46.9476, 60.8220, 103.8732



18.3060, 20.3819, 21.9142



22.9284, 39.0679, 28.5718



2.2811, 3.8234, 3.0381

Inverse Universe

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



47.6520, 27.7436, 23.6141



44.4456, 23.6640, 15.3520



47.7537, 32.3094, 10.1993



18.2366, 18.0779, 19.8629



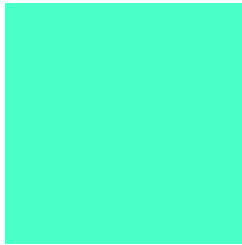
22.3154, 11.4155, 5.0455



2.2189, 1.1299, 0.7340

Previews

White Background



This preview shows how the XYZ color 49.0094, 77.1460, 66.9512 looks on a white background.

Color Contrast Check

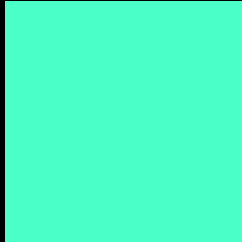
Large Text (above 18pt) WCAG AA × Fail

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 49.0094, 77.1460, 66.9512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

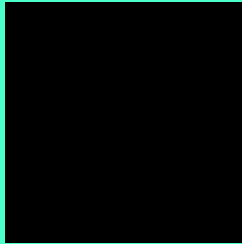
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0094, 77.1460, 66.9512

Background



This preview shows how black text looks on a background with the XYZ color 49.0094, 77.1460, 66.9512.

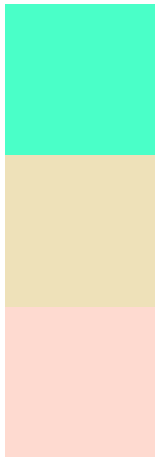


This preview shows how white text looks on a background with the XYZ color 49.0094, 77.1460, 66.9512.

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

49.0094, 77.1460, 66.9512

Protanopia

70.9421, 75.5304, 56.7387

Deuteranopia

77.3296, 75.7677, 70.2234



Tritanopia

62.1590, 76.2156, 106.0427

Trichromacy



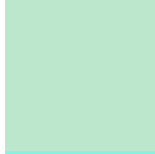
Original Color

49.0094, 77.1460, 66.9512



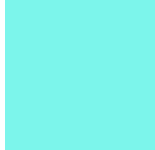
Protanomaly

57.6498, 73.1736, 59.8006



Deuteranomaly

60.5816, 72.3784, 68.5350



Tritanomaly

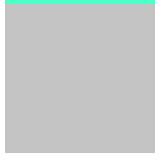
55.9600, 75.5881, 90.2378

Monochromacy



Original Color

49.0094, 77.1460, 66.9512



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.6534, 60.2362, 61.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0094, 77.1460, 66.9512 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(74, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 200)  
}
```

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(74, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.0094, 77.1460, 66.9512 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(74, 255, 200) }
```


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

```
.border{ border-color:rgb(74, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(74, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0094, 77.1460, 66.9512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 200) }
```

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

```
.background{ background-color: rgb(74, 255,  
200) }
```

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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