

# Converting Colors

XYZ(49.0495, 69.4759,  
104.5910)

Have a look what the booklet for  
XYZ(49.0495, 69.4759, 104.5910)  
contains.

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# Color

**XYZ(49.0495, 69.4759,  
104.5910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F0FE
RGB	0, 240, 254
RGB Percent	0%, 94%, 100%
CMY	0.9997, 0.0588, 0.0039
CMYK	1.00, 0.06, 0.00, 0.00
HSL	183°, 100%, 50%
HSV	183°, 100%, 100%
XYZ	49.0495, 69.4759, 104.5910
YIQ	169.8360, -147.5340, -46.5260

# Conversions

## Conversions Part 2

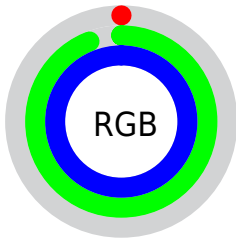
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 123, 254
Decimal	61694
CIELab	86.74, -41.79, -20.20
CIElCh	87, 46.414, 205.799
Yxy	69.4759, 0.2198, 0.3114
Android (android.graphics.Color)	4278251774 (0xFF00F0FE)
YUV	169.8360, 41.4929, -148.9462
Hunter-Lab	83.3522, -40.8261, -16.0510

# Details

The XYZ color **49.0495, 69.4759, 104.5910** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.0322, 21.3875, 1.9678**, and the grayscale version is **37.9919, 39.9704, 43.5278**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.0115, 37.8982, 58.7147** is the 20% darker color. If you saturate the color by 10%, you get **49.0494, 69.4754, 104.5922**, and if you desaturate by 10%, it is **49.8773, 70.5184, 104.7499**.

# Distribution



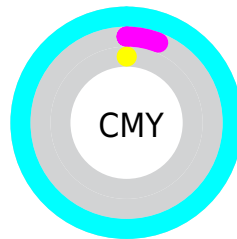
- Red (0%)
- Green (94%)
- Blue (100%)



- Red (0%)
- Yellow (48%)
- Blue (100%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0495, 69.4759, 104.5910 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 49.0495, 69.4759, 104.5910 by changing the saturation by 10% instead.





 49.0495, 69.4759,  
104.5910


 49.0495, 69.4759,  
104.5910


373.4509,  
458.7076, 596.1856


 34.8734, 51.0994,  
79.5020


 87.9652, 118.4610,  
169.5588


 23.7315, 36.2877,  
58.7849


 113.4357,  
149.8385, 210.2747

 15.2582, 24.6565,  
42.0211


 143.4015,  
186.3183, 257.0366

 9.0883, 15.8213,  
28.7921

 178.2283,  
228.2850, 310.2631

 4.8564, 9.3978,  
18.6794

218.2812,  
276.1228, 370.3727

 2.1971, 5.0015,  
11.2644

263.9258,

 0.7412, 2.2482,

330.2163, 437.7839

6.1286

315.5272,  
390.9498, 512.9154

■ 0.0000, 0.7461,  
2.8534

■ 0.0000, 0.0000,  
1.0203

■ 49.0495, 69.4759,  
104.5910

■ 49.0495, 69.4759,  
104.5910

■ 49.0494, 69.4754,  
104.5922

■ 49.8773, 70.5184,  
104.7499

■ 51.2407, 71.8403,  
104.9332

■ 53.3045, 73.5280,  
105.1502

■ 56.1684, 75.6330,  
105.4055

■ 59.9160, 78.1983,  
105.7032

■ 64.6205, 81.2617,  
106.0465

■ 70.3472, 84.8568,  
106.4386

■ 77.1559, 89.0145,  
106.8823

■ 85.1017, 93.7631,  
107.3801

# Harmonies

## Analogous

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



47.4163, 69.4759, 71.3745



49.0495, 69.4759, 104.5910



55.0378, 69.4759, 136.2573

# Triad

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



49.0495, 69.4759, 104.5910



84.7392, 69.4759, 114.2370



67.5675, 69.4759, 30.4902

# Complementary

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



49.0495, 69.4759, 104.5910



41.0322, 21.3875, 1.9678

# 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.



78.4068, 69.4759, 36.3543



49.0495, 69.4759, 104.5910



88.9823, 69.4759, 80.0876

# Square

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



49.0495, 69.4759, 104.5910



75.4898, 69.4759, 142.8082



86.5480, 69.4759, 52.6065



57.4041, 69.4759, 33.7466



# Rectangle

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



49.0495, 69.4759, 104.5910



61.0709, 69.4759, 149.1785



86.5480, 69.4759, 52.6065



71.2606, 69.4759, 31.4035

# Sweetspot

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



49.0517, 69.4784, 104.5927



70.9544, 85.6029, 107.3911



35.5145, 70.9136, 12.1891



14.6382, 17.9809, 22.9491



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.



49.0517, 69.4784, 104.5927



49.4882, 70.0964, 105.5294



23.9468, 19.2687, 96.2244



18.4640, 20.2997, 23.1950



25.8958, 36.7012, 55.1538



2.5465, 3.6238, 5.3785



# Inverse Universe

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



56.6032, 27.3643, 84.7391



57.1086, 27.6074, 85.4926



50.2137, 39.7505, 5.0283



18.7469, 18.2821, 22.5501



29.8592, 14.4330, 44.7705

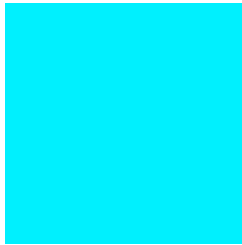


2.9200, 1.4104, 4.4260



# Previews

## White Background



This preview shows how the XYZ color 49.0495, 69.4759, 104.5910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

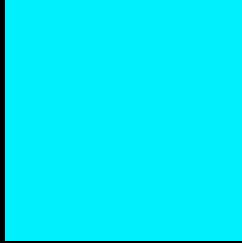
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.0495, 69.4759, 104.5910 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

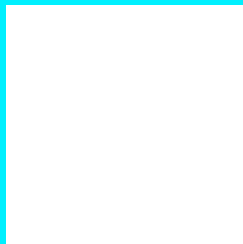
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 49.0495, 69.4759, 104.5910

## Background



This preview shows how black text looks on a background with the XYZ color 49.0495, 69.4759, 104.5910.



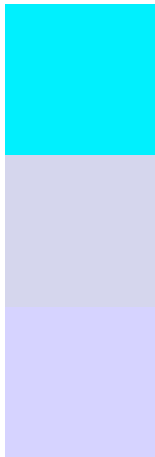
This preview shows how white text looks on a background with the XYZ color 49.0495, 69.4759,



# 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

49.0495, 69.4759, 104.5910

### Protanopia

66.7732, 68.3537, 89.7950

### Deuteranopia

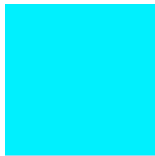
69.0758, 68.1047, 104.1126



## Tritanopia

51.3147, 69.3249, 105.2842

# Trichromacy



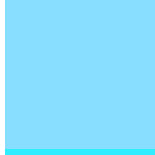
## Original Color

49.0495, 69.4759, 104.5910



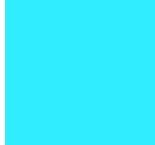
## Protanomaly

52.7187, 64.4807, 94.4615



## Deuteranomaly

54.3246, 64.6968, 104.2323



## Tritanomaly

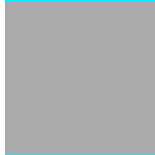
49.8435, 68.9974, 105.2986

# Monochromacy



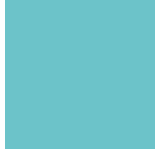
## Original Color

49.0495, 69.4759, 104.5910



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.2421, 46.4354, 62.3111

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0495, 69.4759, 104.5910 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, 240, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 254)  
}
```

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, 240, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0495, 69.4759, 104.5910 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, 240, 254) }
```



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

```
.border{ border-color:rgb(0, 240, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0495, 69.4759, 104.5910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 254) }
```

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

```
.background{ background-color: rgb(0, 240,  
254) }
```

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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