

Converting Colors

XYZ(49.9060, 68.9052,
105.2775)

Have a look what the booklet for
XYZ(49.9060, 68.9052, 105.2775)
contains.

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Color

**XYZ(49.9898, 69.0729,
105.3054)**

Conversions

Conversions Part 1

Format	Color
Hex	33EEFF
RGB	51, 238, 255
RGB Percent	20%, 93%, 100%
CMY	0.7999, 0.0667, 0.0000
CMYK	0.80, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 80%, 100%
XYZ	49.9898, 69.0729, 105.3054
YIQ	184.0250, -116.9090, -34.3570

Conversions

Conversions Part 2

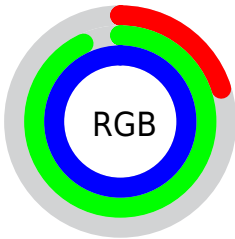
Format	Color
RYB	51, 149, 255
Decimal	3403519
CIELab	86.54, -38.38, -20.99
CIELCh	87, 43.749, 208.674
Yxy	69.0729, 0.2228, 0.3079
Android (android.graphics.Color)	4281593599 (0xFF33EEFF)
YUV	184.0250, 34.9907, -116.6629
Hunter-Lab	83.1101, -38.0769, -16.9468

Details

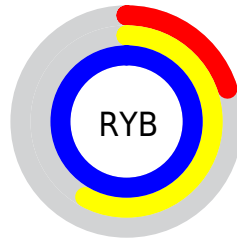
The XYZ color **49.9898, 69.0729, 105.3054** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.9060, 25.6353, 5.7682**, and the grayscale version is **45.4367, 47.8030, 52.0575**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **48.4243, 67.3543, 105.0562**, and if you desaturate by 10%, it is **52.2697, 71.1735, 105.5907**.

Distribution



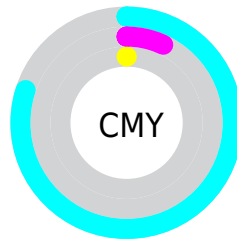
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9898, 69.0729, 105.3054 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 49.9898, 69.0729, 105.3054 by changing the saturation by 10% instead.


 49.9898, 69.0729,
105.3054


 49.9898, 69.0729,
105.3054


377.0787,
457.2880, 598.4630


 35.6231, 50.7711,
80.0972


 89.3517, 117.8857,
170.5443


 24.3120, 36.0265,
59.2717


 115.0775,
149.1655, 211.4121

 15.6912, 24.4546,
42.4104


 145.3204,
185.5400, 258.3368

 9.3954, 15.6712,
29.0948

 180.4458,
227.3937, 311.7369

 5.0591, 9.2918,
18.9064

220.8190,
275.1110, 372.0311

 2.3171, 4.9320,
11.4265

266.8052,

 0.8034, 2.2074,

329.0762, 439.6378

6.2367

318.7700,
389.6737, 514.9756

■ 0.0000, 0.7240,
2.9184

■ 0.0000, 0.0000,
1.0531

■ 49.9898, 69.0729,
105.3054

■ 49.9898, 69.0729,
105.3054

■ 48.4243, 67.3543,
105.0562

■ 52.2697, 71.1735,
105.5907

■ 47.4030, 65.9257,
104.8343

■ 55.3591, 73.7008,
105.9157

■ 47.4023, 65.9246,
104.8341

■ 59.3444, 76.7009,
106.2847

■ 64.2993, 80.2118,
106.7012

■ 70.2900, 84.2677,
107.1684

■ 77.3768, 88.8996,
107.6889

■ 85.6154, 94.1363,
108.2655

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

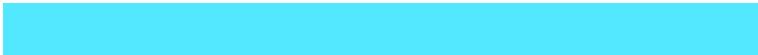
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0268, 69.0729, 73.9240



49.9898, 69.0729, 105.3054



56.0287, 69.0729, 133.6941

Triad

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



49.9898, 69.0729, 105.3054



83.7527, 69.0729, 108.1311



66.1039, 69.0729, 32.0610

Complementary

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



49.9898, 69.0729, 105.3054



43.9060, 25.6353, 5.7682

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.



76.3179, 69.0729, 36.8864



49.9898, 69.0729, 105.3054



87.1339, 69.0729, 76.5081

Square

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



49.9898, 69.0729, 105.3054



75.4573, 69.0729, 135.5990



84.2844, 69.0729, 51.4738



56.7347, 69.0729, 36.0887

Rectangle

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



49.9898, 69.0729, 105.3054



61.8970, 69.0729, 144.3116



84.2844, 69.0729, 51.4738



69.5553, 69.0729, 32.6723

Sweetspot

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



49.9917, 69.0753, 105.3058



74.4015, 86.9723, 107.4737



38.0693, 72.6015, 16.9502



15.3914, 18.2660, 22.9644



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.



49.9917, 69.0753, 105.3058



47.7722, 66.4749, 104.9208



28.7084, 26.5087, 98.2113



18.4178, 20.2072, 23.1796



24.8227, 34.5550, 54.7961



2.4535, 3.4378, 5.3475

Inverse Universe

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



57.8578, 29.8026, 83.5945



56.2887, 27.4566, 80.6291



55.5850, 48.9933, 9.6612



18.7235, 18.2727, 22.4272



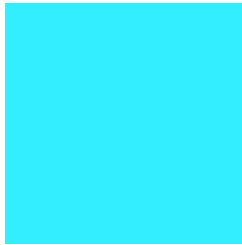
29.3176, 14.2163, 41.9182



2.8730, 1.3916, 4.1788

Previews

White Background



This preview shows how the XYZ color 49.9898, 69.0729, 105.3054 looks on a white background.

Color Contrast Check

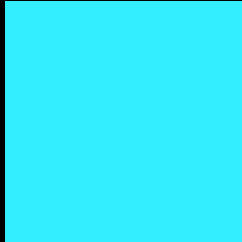
Large Text (above 18pt) WCAG AA × Fail

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 49.9898, 69.0729, 105.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

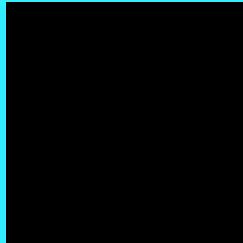
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

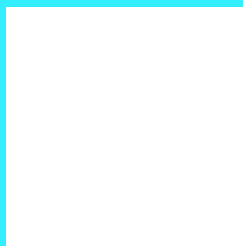
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9898, 69.0729, 105.3054

Background



This preview shows how black text looks on a background with the XYZ color 49.9898, 69.0729, 105.3054.

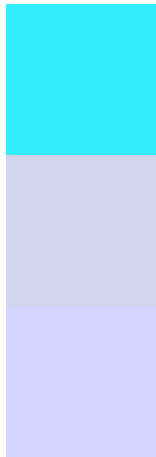


This preview shows how white text looks on a background with the XYZ color 49.9898, 69.0729,

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

49.9898, 69.0729, 105.3054

Protanopia

66.2382, 67.6694, 91.2317

Deuteranopia

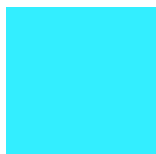
68.7848, 67.9547, 104.0990



Tritanopia

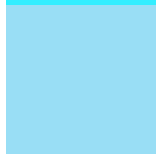
51.1582, 69.2442, 105.2769

Trichromacy



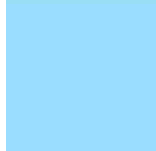
Original Color

49.9898, 69.0729, 105.3054



Protanomaly

55.7396, 65.6074, 96.1119



Deuteranomaly

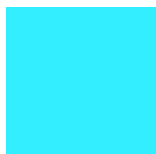
57.2329, 65.8029, 104.2925



Tritanomaly

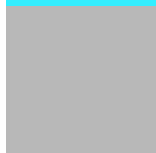
50.5810, 68.9466, 105.2499

Monochromacy



Original Color

49.9898, 69.0729, 105.3054



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.3791, 53.0731, 68.9306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9898, 69.0729, 105.3054 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(51, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 238, 255)  
}
```

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(51, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.9898, 69.0729, 105.3054 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(51, 238, 255) }
```


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

```
.border{ border-color:rgb(51, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9898, 69.0729, 105.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 238, 255) }
```

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

```
.background{ background-color: rgb(51, 238,  
255) }
```

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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