

# Converting Colors

XYZ(52.0326, 73.2815,  
106.0101)

Have a look what the booklet for  
XYZ(52.0326, 73.2815, 106.0101)  
contains.

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# Color

**XYZ(51.9690, 73.1778,  
105.9934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31F5FF
RGB	49, 245, 255
RGB Percent	19%, 96%, 100%
CMY	0.8078, 0.0392, 0.0000
CMYK	0.81, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 81%, 100%
XYZ	51.9690, 73.1778, 105.9934
YIQ	187.5360, -120.0260, -38.4420

# Conversions

## Conversions Part 2

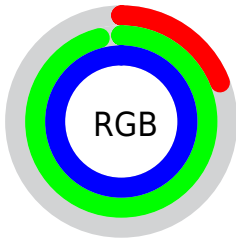
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 149, 255
Decimal	3274239
CIELab	88.53, -41.71, -17.99
CIELCh	89, 45.426, 203.325
Yxy	73.1778, 0.2248, 0.3166
Android (android.graphics.Color)	4281464319 (0xFF31F5FF)
YUV	187.5360, 33.2598, -121.4961
Hunter-Lab	85.5440, -41.2612, -13.5825

# Details

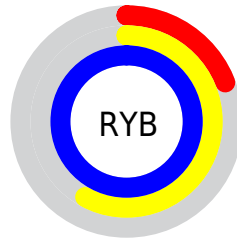
The XYZ color **51.9690, 73.1778, 105.9934** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.3595, 24.6114, 5.3730**, and the grayscale version is **47.4072, 49.8760, 54.3150**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **50.6957, 71.9690, 105.8272**, and if you desaturate by 10%, it is **53.9433, 74.7548, 106.1938**.

# Distribution



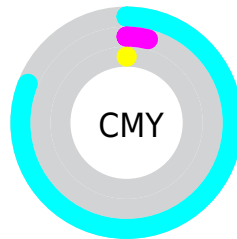
- Red (19%)
- Green (96%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9690, 73.1778, 105.9934 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 51.9690, 73.1778, 105.9934 by changing the saturation by 10% instead.





 51.9690, 73.1778,  
105.9934


 51.9690, 73.1778,  
105.9934


384.6428,  
471.6308, 600.6519


 37.2045, 54.1214,  
80.6706


 92.2600, 123.7296,  
171.4928


 25.5403, 38.6987,  
59.7409


 118.5173,  
155.9937, 212.5065

 16.6109, 26.5254,  
42.7859

 149.3362,  
193.4292, 259.5875

 10.0511, 17.2171,  
29.3870

 185.0821,  
236.4205, 313.1545

 5.4954, 10.3894,  
19.1257

226.1204,  
285.3518, 373.6258

 2.5784, 5.6579,  
11.5834

272.8163,

 0.9350, 2.6382,

340.6078, 441.4202

6.3416

325.5354,  
402.5726, 516.9560

■ 0.0000, 0.9459,  
2.9818

■ 0.0000, 0.0000,  
1.0853

■ 51.9690, 73.1778,  
105.9934

■ 51.9690, 73.1778,  
105.9934

■ 50.6957, 71.9690,  
105.8272

■ 53.9433, 74.7548,  
106.1938

■ 49.9884, 71.0967,  
105.6961

■ 56.7149, 76.7450,  
106.4318

■ 60.3714, 79.1951,  
106.7120

■ 64.9872, 82.1435,  
107.0378

70.6289, 85.6246,  
107.4124

77.3574, 89.6696,  
107.8385

85.2284, 94.3074,  
108.3189

94.2941, 99.5648,  
108.8558

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.



50.6815, 73.1778, 72.8787



51.9690, 73.1778, 105.9934



57.7300, 73.1778, 138.4259

# Triad

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



51.9690, 73.1778, 105.9934



87.8268, 73.1778, 121.3513



72.0272, 73.1778, 33.5687

# Complementary

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



51.9690, 73.1778, 105.9934



43.3595, 24.6114, 5.3730

# 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.



82.8897, 73.1778, 40.4669



51.9690, 73.1778, 105.9934



92.6096, 73.1778, 86.8880

# Square

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



51.9690, 73.1778, 105.9934



78.2198, 73.1778, 148.7945



90.7144, 73.1778, 58.1244



61.5518, 73.1778, 36.1710

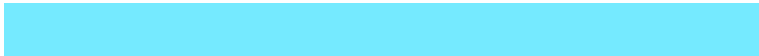


# Rectangle

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



51.9690, 73.1778, 105.9934



63.6900, 73.1778, 152.4492



90.7144, 73.1778, 58.1244



75.7658, 73.1778, 34.7772

# Sweetspot

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



51.9710, 73.1804, 105.9938



75.0666, 88.3025, 107.6954



37.7385, 72.4578, 15.7233



15.5544, 18.5920, 23.0188



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.



51.9710, 73.1804, 105.9938



50.1951, 71.3681, 105.7376



29.4648, 28.1680, 98.4918



18.4749, 20.3214, 23.1986



26.1530, 37.2156, 55.2395



2.5688, 3.6682, 5.3859



# Inverse Universe

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



58.8211, 30.0510, 89.0893



57.5001, 27.8969, 87.1448



54.1715, 46.2353, 8.9769



18.7523, 18.2843, 22.5790



29.9890, 14.4849, 45.4542

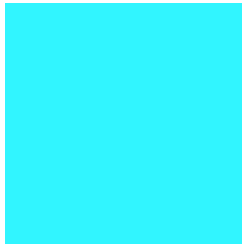


2.9312, 1.4149, 4.4851



# Previews

## White Background



This preview shows how the XYZ color 51.9690, 73.1778, 105.9934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

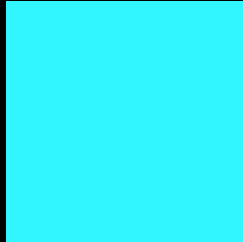
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9690, 73.1778, 105.9934 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 51.9690, 73.1778, 105.9934

## Background



This preview shows how black text looks on a background with the XYZ color 51.9690, 73.1778, 105.9934.



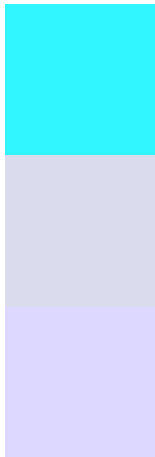
This preview shows how white text looks on a background with the XYZ color 51.9690, 73.1778,



# 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

51.9690, 73.1778, 105.9934

### Protanopia

69.9776, 71.8962, 91.0781

### Deuteranopia

72.4247, 71.7039, 104.6308



## Tritanopia

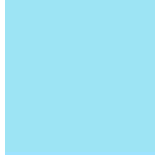
56.3877, 72.8046, 105.6885

# Trichromacy



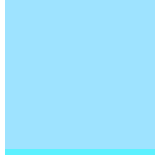
## Original Color

51.9690, 73.1778, 105.9934



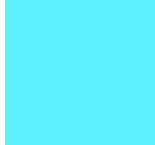
## Protanomaly

57.9772, 69.1866, 95.8866



## Deuteranomaly

59.6196, 69.4273, 104.8663



## Tritanomaly

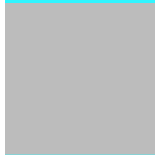
54.0195, 72.4577, 105.7464

# Monochromacy



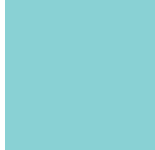
## Original Color

51.9690, 73.1778, 105.9934



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

45.0007, 55.6728, 70.6615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9690, 73.1778, 105.9934 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(49, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 245, 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(49, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9690, 73.1778, 105.9934 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(49, 245, 255) }
```



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

```
.border{ border-color:rgb(49, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9690, 73.1778, 105.9934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 245, 255) }
```

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

```
.background{ background-color: rgb(49, 245,  
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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