

# Converting Colors

XYZ(53.0569, 74.9244,  
108.0481)

Have a look what the booklet for  
XYZ(53.0569, 74.9244, 108.0481)  
contains.

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# Color

**XYZ(52.7897, 74.9591,  
106.2940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FF8FF
RGB	47, 248, 255
RGB Percent	18%, 97%, 100%
CMY	0.8156, 0.0274, 0.0000
CMYK	0.82, 0.03, 0.00, 0.00
HSL	182°, 100%, 59%
HSV	182°, 82%, 100%
XYZ	52.7897, 74.9591, 106.2940
YIQ	188.6990, -122.0430, -40.4350

# Conversions

## Conversions Part 2

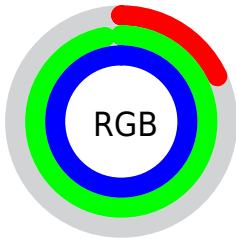
Format	Color
<a href="#">RYB</a>	<a href="#">47, 149, 255</a>
Decimal	<a href="#">3143935</a>
CIELab	<a href="#">89.37, -43.20, -16.72</a>
CIELCh	<a href="#">89, 46.323, 201.162</a>
Yxy	<a href="#">74.9591, 0.2256, 0.3203</a>
Android (android.graphics.Color)	<a href="#">4281334015 (0xFF2FF8FF)</a>
YUV	<a href="#">188.6990, 32.6864, -124.2700</a>
Hunter-Lab	<a href="#">86.5789, -42.6764, -12.1858</a>

# Details

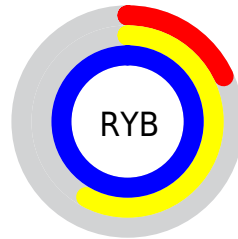
The XYZ color **52.7897, 74.9591, 106.2940** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0735, 24.1054, 5.0742**, and the grayscale version is **48.0715, 50.5749, 55.0761**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **51.6757, 73.9958, 106.1668**, and if you desaturate by 10%, it is **54.5943, 76.2835, 106.4545**.

# Distribution



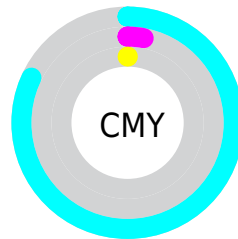
- Red (18%)
- Green (97%)
- Blue (100%)



- Red (18%)
- Yellow (58%)
- Blue (100%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7897, 74.9591, 106.2940 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 52.7897, 74.9591, 106.2940 by changing the saturation by 10% instead.





 52.7897, 74.9591,  
106.2940

 52.7897, 74.9591,  
106.2940


387.7518,  
477.7770, 601.6070


 37.8617, 55.5794,  
80.9212


 93.4622, 126.2545,  
171.9071


 26.0521, 39.8658,  
59.9460


 119.9374,  
158.9389, 212.9844

 16.9955, 27.4339,  
42.9501


 150.9924,  
196.8270, 260.1336

 10.3266, 17.8994,  
29.5149

 186.9926,  
240.3033, 313.7732

 5.6799, 10.8778,  
19.2217

228.3033,  
289.7520, 374.3218

 2.6903, 5.9847,  
11.6522

275.2898,

 0.9922, 2.8358,

345.5576, 442.1980

6.3877

328.3175,  
408.1044, 517.8202

■ 0.0000, 1.0466,  
3.0096

■ 0.0000, 0.0000,  
1.0996

■ 52.7897, 74.9591,  
106.2940

■ 52.7897, 74.9591,  
106.2940

■ 51.6757, 73.9958,  
106.1668

■ 54.5943, 76.2835,  
106.4545

■ 51.1342, 73.3883,  
106.0781

■ 57.1877, 78.0146,  
106.6520

■ 60.6583, 80.1998,  
106.8908

■ 65.0815, 82.8779,  
107.1746

70.5243, 86.0834,  
107.5065

77.0479, 89.8479,  
107.8893

84.7086, 94.2004,  
108.3256

93.5586, 99.1678,  
108.8180

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.



51.8041, 74.9591, 72.3969



52.7897, 74.9591, 106.2940



58.4316, 74.9591, 140.5436

# Triad

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



52.7897, 74.9591, 106.2940



89.6107, 74.9591, 127.3628



74.6483, 74.9591, 34.1654

# Complementary

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



52.7897, 74.9591, 106.2940



43.0735, 24.1054, 5.0742

# 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.



85.8099, 74.9591, 42.0075



52.7897, 74.9591, 106.2940



95.0302, 74.9591, 91.5900

# Square

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



52.7897, 74.9591, 106.2940



79.4093, 74.9591, 154.7787



93.5700, 74.9591, 61.0906



63.6629, 74.9591, 36.1436

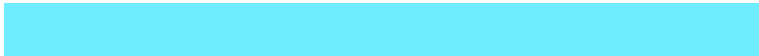


# Rectangle

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



52.7897, 74.9591, 106.2940



64.4370, 74.9591, 156.1096



93.5700, 74.9591, 61.0906



78.5194, 74.9591, 35.6427

# Sweetspot

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



52.7917, 74.9618, 106.2944



75.3535, 88.8763, 107.7910



37.5980, 72.3908, 15.4756



15.6248, 18.7328, 23.0422



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.



52.7917, 74.9618, 106.2944



51.2503, 73.5259, 106.0985



29.2084, 27.7950, 98.4333



18.4994, 20.3704, 23.2068



26.7421, 38.3937, 55.4359



2.6196, 3.7698, 5.4029



# Inverse Universe

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



59.2012, 30.0723, 91.4940



58.0211, 28.0610, 90.0252



53.9707, 45.8998, 8.7066



18.7647, 18.2892, 22.6441



30.2864, 14.6038, 47.0198

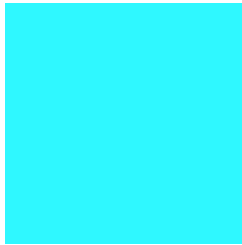


2.9568, 1.4251, 4.6201



# Previews

## White Background



This preview shows how the XYZ color 52.7897, 74.9591, 106.2940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

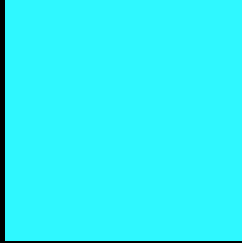
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7897, 74.9591, 106.2940 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 52.7897, 74.9591, 106.2940

## Background



This preview shows how black text looks on a background with the XYZ color 52.7897, 74.9591, 106.2940.



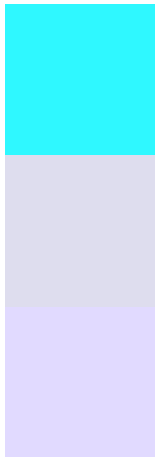
This preview shows how white text looks on a background with the XYZ color 52.7897, 74.9591,



# 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

52.7897, 74.9591, 106.2940

### Protanopia

71.4133, 73.4155, 91.2957

### Deuteranopia

74.1727, 73.3704, 104.8603



## Tritanopia

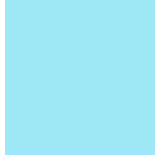
58.7258, 74.4457, 105.8820

# Trichromacy



## Original Color

52.7897, 74.9591, 106.2940



## Protanomaly

59.0056, 70.9526, 96.1732



## Deuteranomaly

60.5665, 70.7322, 105.0682



## Tritanomaly

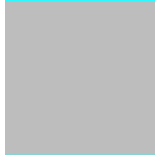
55.4674, 74.0879, 105.9847

# Monochromacy



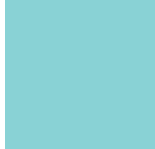
## Original Color

52.7897, 74.9591, 106.2940



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

45.3734, 56.2156, 71.4101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7897, 74.9591, 106.2940 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(47, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 248, 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(47, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7897, 74.9591, 106.2940 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(47, 248, 255) }
```



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

```
.border{ border-color:rgb(47, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7897, 74.9591, 106.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 248, 255) }
```

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

```
.background{ background-color: rgb(47, 248,  
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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