

# Converting Colors

XYZ(52.8542, 74.8018,  
106.2602)

Have a look what the booklet for  
XYZ(52.8542, 74.8018, 106.2602)  
contains.

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# Color

**XYZ(52.9826, 75.0586,  
106.3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33F8FF
RGB	51, 248, 255
RGB Percent	20%, 97%, 100%
CMY	0.7999, 0.0274, 0.0000
CMYK	0.80, 0.03, 0.00, 0.00
HSL	182°, 100%, 60%
HSV	182°, 80%, 100%
XYZ	52.9826, 75.0586, 106.3030
YIQ	189.8950, -119.6590, -39.5870

# Conversions

## Conversions Part 2

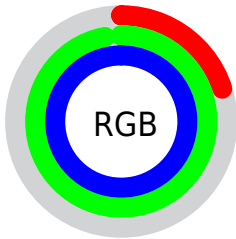
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 151, 255
Decimal	3406079
CIE <sub>Lab</sub>	89.42, -42.90, -16.65
CIE <sub>LCh</sub>	89, 46.017, 201.210
Yxy	75.0586, 0.2261, 0.3203
Android (android.graphics.Color)	4281596159 (0xFF33F8FF)
YUV	189.8950, 32.0968, -121.8109
Hunter-Lab	86.6364, -42.4517, -12.1035

# Details

The XYZ color **52.9826, 75.0586, 106.3030** 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 **43.3517, 24.5267, 5.5833**, and the grayscale version is **48.7574, 51.2966, 55.8620**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **51.7640, 74.0337, 106.1694**, and if you desaturate by 10%, it is **54.9099, 76.4539, 106.4708**.

# Distribution



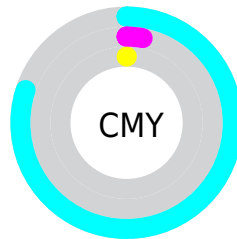
- Red (20%)
- Green (97%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9826, 75.0586, 106.3030 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 52.9826, 75.0586, 106.3030 by changing the saturation by 10% instead.





 52.9826, 75.0586,  
106.3030


 52.9826, 75.0586,  
106.3030


388.4803,  
478.1190, 601.6356


 38.0163, 55.6609,  
80.9287


 93.7444, 126.3953,  
171.9195

 26.1726, 39.9311,  
59.9522


 120.2707,  
159.1031, 212.9987

 17.0862, 27.4848,  
42.9551


 151.3810,  
197.0164, 260.1499

 10.3916, 17.9377,  
29.5187

 187.4407,  
240.5196, 313.7917

 5.7236, 10.9053,  
19.2246

228.8151,  
289.9970, 374.3427

 2.7168, 6.0032,  
11.6542

275.8696,

 1.0058, 2.8470,

345.8331, 442.2213

6.3890

328.9695,  
408.4123, 517.8460

■ 0.0000, 1.0524,  
3.0105

■ 0.0000, 0.0000,  
1.1000

■ 52.9826, 75.0586,  
106.3030

■ 52.9826, 75.0586,  
106.3030

■ 51.7640, 74.0337,  
106.1694

■ 54.9099, 76.4539,  
106.4708

■ 51.0834, 73.2865,  
106.0611

■ 57.6404, 78.2635,  
106.6761

■ 51.0830, 73.2860,  
106.0610

■ 61.2606, 80.5337,  
106.9235

■ 65.8445, 83.3025,  
107.2164

■ 71.4580, 86.6040,  
107.5578

■ 78.1614, 90.4693,  
107.9505

■ 86.0104, 94.9269,  
108.3972

■ 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.



51.9935, 75.0586, 72.6026



52.9826, 75.0586, 106.3030



58.6060, 75.0586, 140.2844

# Triad

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



52.9826, 75.0586, 106.3030



89.6034, 75.0586, 127.1068



74.7046, 75.0586, 34.4503

# Complementary

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



52.9826, 75.0586, 106.3030



43.3517, 24.5267, 5.5833

# 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.



85.7988, 75.0586, 42.2630



52.9826, 75.0586, 106.3030



94.9757, 75.0586, 91.5835

# Square

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



52.9826, 75.0586, 106.3030



79.4731, 75.0586, 154.3274



93.5146, 75.0586, 61.2631



63.7833, 75.0586, 36.4415

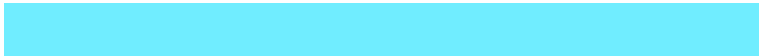


# Rectangle

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



52.9826, 75.0586, 106.3030



64.5849, 75.0586, 155.7012



93.5146, 75.0586, 61.2631



78.5524, 75.0586, 35.9207

# Sweetspot

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



52.9846, 75.0613, 106.3034



75.3408, 88.8509, 107.7868



37.8852, 72.5279, 15.9812



15.6217, 18.7265, 23.0412



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.



52.9846, 75.0613, 106.3034



51.3173, 73.5651, 106.1025



29.7274, 28.5467, 98.5510



18.4983, 20.3682, 23.2064



26.7158, 38.3411, 55.4271



2.6173, 3.7653, 5.4021



# Inverse Universe

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



59.3684, 30.4067, 91.5499



58.0781, 28.1724, 90.0520



54.3755, 46.5744, 9.2579



18.7642, 18.2890, 22.6412



30.2731, 14.5985, 46.9499

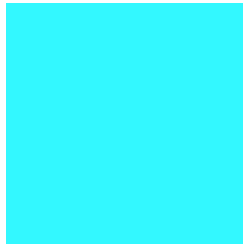


2.9557, 1.4247, 4.6141



# Previews

## White Background



This preview shows how the XYZ color 52.9826, 75.0586, 106.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

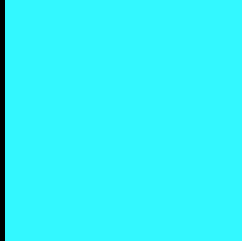
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9826, 75.0586, 106.3030 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 52.9826, 75.0586, 106.3030

## Background



This preview shows how black text looks on a background with the XYZ color 52.9826, 75.0586, 106.3030.



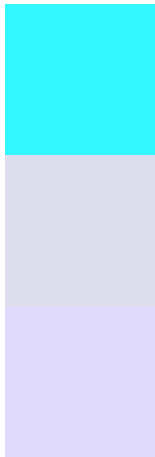
This preview shows how white text looks on a background with the XYZ color 52.9826, 75.0586,



# 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

52.9826, 75.0586, 106.3030

### Protanopia

71.4133, 73.4155, 91.2957

### Deuteranopia

74.1727, 73.3704, 104.8603



## **Tritanopia**

58.8830, 74.5267, 105.8894

# Trichromacy



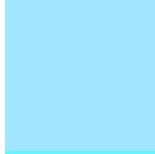
## Original Color

52.9826, 75.0586, 106.3030



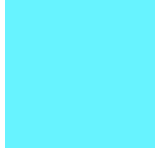
## Protanomaly

59.4023, 71.1571, 96.1918



## Deuteranomaly

60.9696, 70.9400, 105.0871



## Tritanomaly

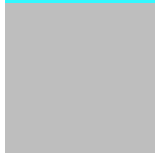
55.6941, 74.2047, 105.9953

# Monochromacy



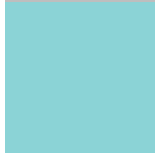
## Original Color

52.9826, 75.0586, 106.3030



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

46.0793, 56.9325, 72.1788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9826, 75.0586, 106.3030 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9826, 75.0586, 106.3030 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, 248, 255) }
```



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

```
.border{ border-color:rgb(51, 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(51, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9826, 75.0586, 106.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 248, 255) }
```

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

```
.background{ background-color: rgb(51, 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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