

# Converting Colors

XYZ(52.4762, 74.7802,  
106.2760)

Have a look what the booklet for  
XYZ(52.4762, 74.7802, 106.2760)  
contains.

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# Color

**XYZ(52.4925, 74.8059,  
106.2801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28F8FF
RGB	40, 248, 255
RGB Percent	16%, 97%, 100%
CMY	0.8430, 0.0274, 0.0000
CMYK	0.84, 0.03, 0.00, 0.00
HSL	182°, 100%, 58%
HSV	182°, 84%, 100%
XYZ	52.4925, 74.8059, 106.2801
YIQ	186.6060, -126.2150, -41.9190

# Conversions

## Conversions Part 2

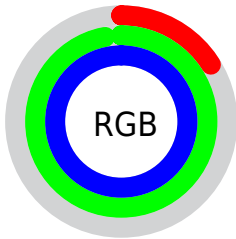
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 146, 255
Decimal	2685183
CIE <sub>Lab</sub>	89.30, -43.66, -16.84
CIE <sub>LCh</sub>	89, 46.796, 201.089
Yxy	74.8059, 0.2247, 0.3203
Android (android.graphics.Color)	4280875263 (0xFF28F8FF)
YUV	186.6060, 33.7182, -128.5735
Hunter-Lab	86.4904, -43.0235, -12.3127

# Details

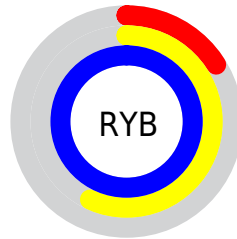
The XYZ color **52.4925, 74.8059, 106.2801** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.6408, 23.4482, 4.2883**, and the grayscale version is **46.8844, 49.3261, 53.7161**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **51.5532, 73.9453, 106.1635**, and if you desaturate by 10%, it is **54.0891, 76.0102, 106.4284**.

# Distribution



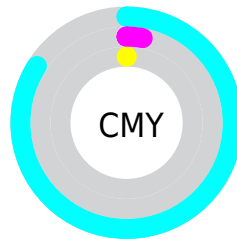
- Red (16%)
- Green (97%)
- Blue (100%)



- Red (16%)
- Yellow (57%)
- Blue (100%)



- Cyan (84%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (84%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4925, 74.8059, 106.2801 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 52.4925, 74.8059, 106.2801 by changing the saturation by 10% instead.





 52.4925, 74.8059,  
106.2801

 52.4925, 74.8059,  
106.2801


386.6278,  
477.2502, 601.5628


 37.6236, 55.4539,  
80.9096


 93.0271, 126.0376,  
171.8879


 25.8666, 39.7652,  
59.9366


 119.4236,  
158.6860, 212.9623

 16.8560, 27.3556,  
42.9425

 150.3932,  
196.5354, 260.1083

 10.2266, 17.8404,  
29.5090

 186.3015,  
239.9701, 313.7446

 5.6128, 10.8355,  
19.2173

227.5138,  
289.3745, 374.2897

 2.6495, 5.9563,  
11.6490

274.3953,

 0.9713, 2.8185,

345.1331, 442.1620

6.3855

327.3116,  
407.6302, 517.7802

■ 0.0000, 1.0377,  
3.0083

■ 0.0000, 0.0000,  
1.0989

■ 52.4925, 74.8059,  
106.2801

■ 52.4925, 74.8059,  
106.2801

■ 51.5532, 73.9453,  
106.1635

■ 54.0891, 76.0102,  
106.4284

■ 51.2193, 73.5587,  
106.1064

■ 56.4480, 77.6076,  
106.6124

■ 59.6616, 79.6473,  
106.8367

■ 63.8079, 82.1695,  
107.1050

68.9561, 85.2098,  
107.4205

75.1687, 88.8006,  
107.7862

82.5033, 92.9715,  
108.2046

91.0132, 97.7500,  
108.6785

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.



51.5123, 74.8059, 72.0793



52.4925, 74.8059, 106.2801



58.1627, 74.8059, 140.9457

# Triad

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



52.4925, 74.8059, 106.2801



89.6226, 74.8059, 127.7614



74.5619, 74.8059, 33.7279

# Complementary

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



52.4925, 74.8059, 106.2801



42.6408, 23.4482, 4.2883

# 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.



85.8279, 74.8059, 41.6147



52.4925, 74.8059, 106.2801



95.1152, 74.8059, 91.6015

# Square

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



52.4925, 74.8059, 106.2801



79.3110, 74.8059, 155.4803



93.6567, 74.8059, 60.8253



63.4776, 74.8059, 35.6859



# Rectangle

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



52.4925, 74.8059, 106.2801



64.2088, 74.8059, 156.7438



93.6567, 74.8059, 60.8253



78.4691, 74.8059, 35.2156

# Sweetspot

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



52.4945, 74.8086, 106.2805



74.7005, 88.5321, 107.7590



37.0834, 72.1505, 14.3164



15.5008, 18.6687, 23.0364



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.



52.4945, 74.8086, 106.2805



51.2193, 73.5587, 106.1064



28.8887, 27.5969, 98.4119



18.5012, 20.3740, 23.2074



26.7858, 38.4812, 55.4504



2.6233, 3.7774, 5.4041



# Inverse Universe

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



58.9435, 29.5568, 91.4081



57.9824, 27.9569, 90.0940



52.7055, 43.5774, 7.6432



18.7656, 18.2896, 22.6489



30.3084, 14.6127, 47.1362

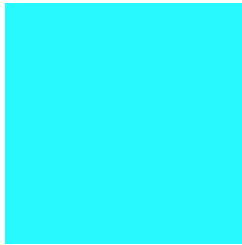


2.9587, 1.4259, 4.6301



# Previews

## White Background



This preview shows how the XYZ color 52.4925, 74.8059, 106.2801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

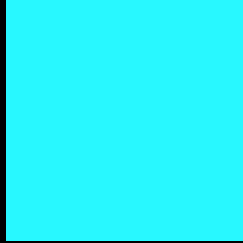
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4925, 74.8059, 106.2801 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 52.4925, 74.8059, 106.2801

## Background



This preview shows how black text looks on a background with the XYZ color 52.4925, 74.8059, 106.2801.



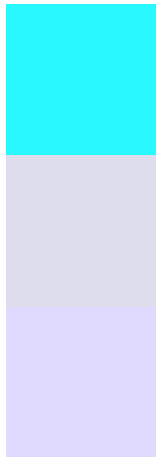
This preview shows how white text looks on a background with the XYZ color 52.4925, 74.8059,



# 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

52.4925, 74.8059, 106.2801

### Protanopia

71.4133, 73.4155, 91.2957

### Deuteranopia

73.8619, 73.2101, 104.8458



## Tritanopia

58.4160, 74.2860, 105.8675

# Trichromacy



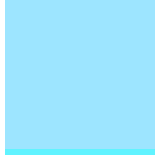
## Original Color

52.4925, 74.8059, 106.2801



## Protanomaly

58.6153, 70.7514, 96.1550



## Deuteranomaly

59.9739, 70.4267, 105.0405



## Tritanomaly

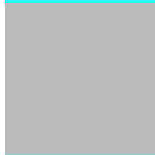
55.0304, 73.8626, 105.9642

# Monochromacy



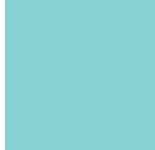
## Original Color

52.4925, 74.8059, 106.2801



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.5156, 55.4227, 70.6388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4925, 74.8059, 106.2801 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(40, 248, 255)` looks like.

```
.text, #text, p{  
  color:rgb(40, 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(40, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4925, 74.8059, 106.2801 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(40, 248, 255) }
```



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

```
.border{ border-color:rgb(40, 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(40, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(40, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4925, 74.8059, 106.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 248, 255) }
```

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

```
.background{ background-color: rgb(40, 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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