

# Converting Colors

XYZ(107.6078, 175.1603,  
159.2597)

Have a look what the booklet for  
XYZ(107.6078, 175.1603, 159.2597)  
contains.

<b>XYZ(53.8350, 78.7529, 106.9712)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.8350, 78.7529,  
106.9712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02FFFF
RGB	2, 255, 255
RGB Percent	1%, 100%, 100%
CMY	0.9919, 0.0000, 0.0000
CMYK	0.99, 0.00, 0.00, 0.00
HSL	180°, 100%, 50%
HSV	180°, 99%, 100%
XYZ	53.8350, 78.7529, 106.9712
YIQ	179.3530, -150.7880, -53.6360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	2, 129, 255
Decimal	196607
CIE Lab	91.12, -48.04, -14.13
CIE LCh	91, 50.075, 196.389
Yxy	78.7529, 0.2247, 0.3287
Android (android.graphics.Color)	4278386687 (0xFF02FFFF)
YUV	179.3530, 37.2940, -155.5386
Hunter-Lab	88.7428, -47.0146, -9.3486

# Details

The XYZ color **53.8350, 78.7529, 106.9712** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2738, 21.3095, 1.9973**, and the grayscale version is **42.9121, 45.1468, 49.1649**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **53.8100, 78.7400, 106.9700**, and if you desaturate by 10%, it is **54.2773, 78.9809, 106.9919**.

# Distribution



- Red (1%)
- Green (100%)
- Blue (100%)



- Red (1%)
- Yellow (51%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8350, 78.7529, 106.9712 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 53.8350, 78.7529, 106.9712 by changing the saturation by 10% instead.





 53.8350, 78.7529,  
106.9712


 53.8350, 78.7529,  
106.9712


391.6891,  
490.7200, 603.7557

 38.6999, 58.6927,  
81.4859


 94.9902, 131.6109,  
172.8398


 26.7060, 42.3658,  
60.4085


 121.7411,  
165.1775, 214.0602

 17.4880, 29.3878,  
43.3205


 153.0946,  
204.0150, 261.3627

 10.6805, 19.3744,  
29.8034

 189.4161,  
248.5078, 315.1659

 5.9181, 11.9411,  
19.4387

231.0710,  
299.0404, 375.8882

 2.8355, 6.7036,  
11.8077

278.4245,

 1.0674, 3.2774,

355.9970, 443.9483

6.4919

331.8421,  
419.7620, 519.7646

■ 0.0000, 1.2782,  
3.0728

■ 0.0000, 0.1243,  
1.1319

■ 53.8350, 78.7529,  
106.9712

■ 53.8350, 78.7529,  
106.9712

■ 53.8100, 78.7400,  
106.9700

■ 54.2773, 78.9809,  
106.9919

■ 55.2820, 79.4988,  
107.0389

■ 56.9990, 80.3840,  
107.1192

■ 59.5273, 81.6874,  
107.2376

■ 62.9505, 83.4521,  
107.3978

■ 67.3415, 85.7157,  
107.6033

■ 72.7659, 88.5121,  
107.8571

■ 79.2837, 91.8722,  
108.1621

■ 86.9501, 95.8243,  
108.5209

# Harmonies

## Analogous

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



53.5901, 78.7529, 70.3598



53.8350, 78.7529, 106.9712



59.2795, 78.7529, 146.8089

# Triad

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



53.8350, 78.7529, 106.9712



93.9057, 78.7529, 143.4145



80.7310, 78.7529, 34.2550

# Complementary

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



53.8350, 78.7529, 106.9712



41.2738, 21.3095, 1.9973

# 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.



92.9382, 78.7529, 44.5144



53.8350, 78.7529, 106.9712



101.1041, 78.7529, 103.2318

# Square

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



53.8350, 78.7529, 106.9712



81.9360, 78.7529, 171.5744



100.7313, 78.7529, 67.5366



68.1891, 78.7529, 34.7318



# Rectangle

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



53.8350, 78.7529, 106.9712



65.5156, 78.7529, 166.8467



100.7313, 78.7529, 67.5366



85.0364, 78.7529, 36.4030

# Sweetspot

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



53.8359, 78.7534, 106.9712



72.2850, 88.2642, 107.8346



35.7973, 71.5379, 11.9810



14.9625, 18.6296, 23.0572



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.



53.8359, 78.7534, 106.9712



53.8100, 78.7400, 106.9700



25.8652, 22.8120, 97.6476



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



59.3125, 28.5250, 96.9875



59.2900, 28.4800, 96.9800



49.0407, 36.8431, 4.5862



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 53.8350, 78.7529, 106.9712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

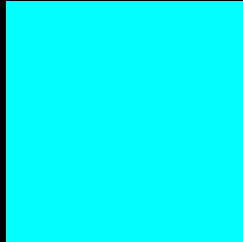
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8350, 78.7529, 106.9712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

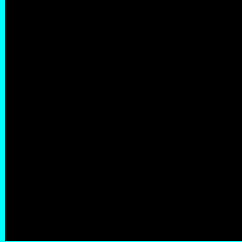
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.8350, 78.7529, 106.9712

## Background



This preview shows how black text looks on a background with the XYZ color 53.8350, 78.7529, 106.9712.



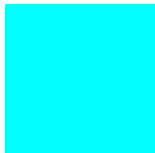
This preview shows how white text looks on a background with the XYZ color 53.8350, 78.7529,



# Color Blindness Simulation

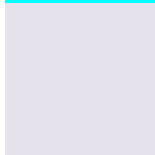
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.8350, 78.7529, 106.9712



### Protanopia

74.7955, 77.1652, 91.0730



### Deuteranopia

77.7164, 77.1512, 105.4033



## Tritanopia

63.5124, 77.7922, 106.2757

# Trichromacy



## Original Color

53.8350, 78.7529, 106.9712



## Protanomaly

58.4674, 73.2110, 96.6375



## Deuteranomaly

59.9711, 72.9326, 105.5243



## Tritanomaly

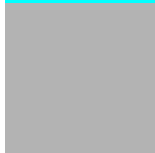
56.5663, 76.4509, 106.3829

# Monochromacy



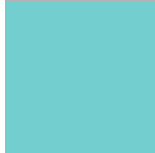
## Original Color

53.8350, 78.7529, 106.9712



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.6455, 52.7755, 67.0759

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8350, 78.7529, 106.9712 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(2, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 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(2, 255, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 53.8350, 78.7529, 106.9712 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(2, 255, 255) }
```



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

```
.border{ border-color:rgb(2, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8350, 78.7529, 106.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 255) }
```

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

```
.background{ background-color: rgb(2, 255,  
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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