

# Converting Colors

XYZ(56.0035, 53.8565,  
116.6601)

Have a look what the booklet for  
XYZ(56.0035, 53.8565, 116.6601)  
contains.

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# **Color**

**XYZ(53.2580, 52.7048,  
101.9738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABBEFF
RGB	171, 190, 255
RGB Percent	67%, 75%, 100%
CMY	0.3294, 0.2549, 0.0000
CMYK	0.33, 0.25, 0.00, 0.00
HSL	226°, 100%, 84%
HSV	226°, 33%, 100%
XYZ	53.2580, 52.7048, 101.9738
YIQ	191.7290, -32.1890, 16.1870

# Conversions

## Conversions Part 2

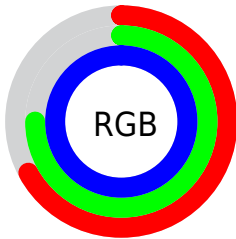
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 186, 255
Decimal	11255551
CIE <sub>Lab</sub>	77.70, 8.33, -34.12
CIE <sub>LCh</sub>	78, 35.126, 283.717
Yxy	52.7048, 0.2561, 0.2535
Android (android.graphics.Color)	4289445631 (0xFFABBEFF)
YUV	191.7290, 31.1926, -18.1793
Hunter-Lab	72.5981, 3.9011, -32.4622

# Details

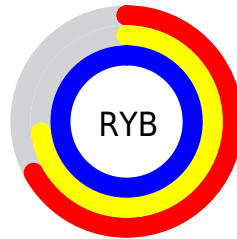
The XYZ color **53.2580, 52.7048, 101.9738** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5865, 84.1914, 50.6385**, and the grayscale version is **49.7837, 52.3764, 57.0378**.

A 20% lighter version of the original color is **83.0007, 89.6255, 107.5326**, and **26.3412, 25.6815, 56.9948** is the 20% darker color. If you saturate the color by 10%, you get **44.2417, 42.1370, 100.4092**, and if you desaturate by 10%, it is **63.9275, 64.9861, 103.7820**.

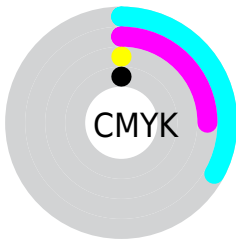
# Distribution



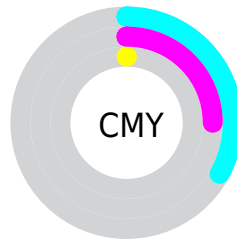
- Red (67%)
- Green (75%)
- Blue (100%)



- Red (67%)
- Yellow (73%)
- Blue (100%)



- Cyan (33%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2580, 52.7048, 101.9738 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 53.2580, 52.7048, 101.9738 by changing the saturation by 10% instead.



■ 53.2580, 52.7048,  
101.9738

■ 53.2580, 52.7048,  
101.9738

389.5189,  
397.1515, 587.8031

■ 38.2371, 37.5672,  
77.3239

■ 94.1472, 94.1698,  
165.9425

■ 26.3448, 25.6469,  
57.0056

120.7462,  
121.2660, 206.0983

■ 17.2158, 16.5597,  
40.6004

151.9352,  
153.1172, 252.2600

■ 10.4847, 9.9211,  
27.6896

188.0797,  
190.1078, 304.8459

■ 5.7862, 5.3467,  
17.8548

229.5449,  
232.6221, 364.2746

■ 2.7550, 2.4521,  
10.6774

276.6963,

■ 1.0255, 0.8525,

281.0445, 430.9647

5.7389

329.8992,  
335.7596, 505.3347

■ 0.0000, 0.0000,  
2.6208

■ 0.0000, 0.0000,  
0.9032

■ 53.2580, 52.7048,  
101.9738

■ 53.2580, 52.7048,  
101.9738

■ 44.2417, 42.1370,  
100.4092

■ 63.9275, 64.9861,  
103.7820

■ 36.7889, 33.1987,  
99.0767

■ 76.3241, 79.0478,  
105.8428

■ 30.8084, 25.8074,  
97.9653

■ 90.5229, 94.9605,  
108.1659

■ 26.1972, 19.8708,  
97.0624

95.0500, 100.0000,  
108.9000

■ 22.8381, 15.2857,  
96.3545

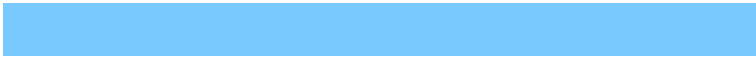
■ 20.5919, 11.9334,  
95.8258

■ 19.5470, 10.2140,  
95.5490

# Harmonies

## Analogous

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



46.5182, 52.7048, 101.3386



53.2580, 52.7048, 101.9738



59.6810, 52.7048, 88.9159

# Triad

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



53.2580, 52.7048, 101.9738



60.1474, 52.7048, 35.2096



38.5665, 52.7048, 47.5179

# Complementary

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



53.2580, 52.7048, 101.9738



78.5865, 84.1914, 50.6385

# 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.



41.5935, 52.7048, 34.3606



53.2580, 52.7048, 101.9738



53.8492, 52.7048, 28.4328

# Square

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



53.2580, 52.7048, 101.9738



63.8950, 52.7048, 48.9601



47.0585, 52.7048, 28.1620



38.4393, 52.7048, 66.7283



# Rectangle

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



53.2580, 52.7048, 101.9738



62.7511, 52.7048, 75.6091



47.0585, 52.7048, 28.1620



39.2653, 52.7048, 42.3558

# Sweetspot

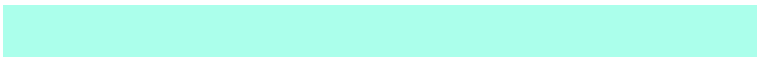
The Sweet Spot groups the original color and five complimentary colors.



53.2596, 52.7068, 101.9741



80.3080, 83.5307, 106.4981



67.6088, 86.1997, 91.9761



16.7774, 17.4160, 22.7273



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.



53.2596, 52.7068, 101.9741



46.7264, 45.0713, 100.8446



54.7087, 47.7376, 100.9386



17.3363, 18.0441, 22.8191



10.3049, 5.5194, 49.9568



1.0811, 0.6928, 4.8900



# Inverse Universe

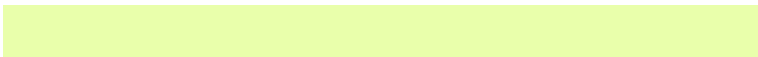
The Inverse Universe completely reimagines the original color for something new.



65.0982, 54.1050, 55.7295



60.4749, 47.1799, 47.0311



76.5852, 91.7170, 52.1966



18.1776, 18.0544, 19.5525



21.9896, 11.2851, 3.3299



2.1803, 1.1145, 0.5308



# Previews

## White Background



This preview shows how the XYZ color 53.2580, 52.7048, 101.9738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

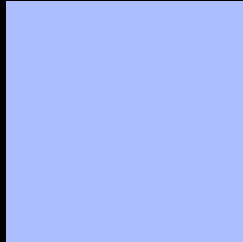
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2580, 52.7048, 101.9738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

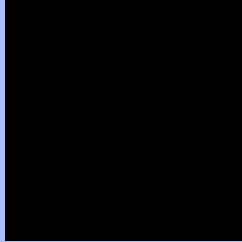
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.2580, 52.7048, 101.9738

## Background



This preview shows how black text looks on a background with the XYZ color 53.2580, 52.7048, 101.9738.



This preview shows how white text looks on a background with the XYZ color 53.2580, 52.7048,



# 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

53.2580, 52.7048, 101.9738

### Protanopia

53.7032, 52.6139, 101.9328

### Deuteranopia

53.9268, 52.7292, 101.9432



## Tritanopia

47.1046, 52.8736, 70.6737

# Trichromacy



## Original Color

53.2580, 52.7048, 101.9738

## Protanomaly

53.4812, 52.4994, 101.9224

## Deuteranomaly

53.7032, 52.6139, 101.9328

## Tritanomaly

49.0357, 52.6310, 80.9731

# Monochromacy



## Original Color

53.2580, 52.7048, 101.9738

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.6637, 52.3582, 71.7259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2580, 52.7048, 101.9738 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(171, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 190, 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(171, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 190, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2580, 52.7048, 101.9738 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(171, 190, 255) }
```



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

```
.border{ border-color:rgb(171, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 190,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2580, 52.7048, 101.9738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 190, 255) }
```

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

```
.background{ background-color: rgb(171,  
190, 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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