

# Converting Colors

XYZ(56.5215, 53.3450,  
104.1120)

Have a look what the booklet for  
XYZ(56.5215, 53.3450, 104.1120)  
contains.

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# **Color**

**XYZ(56.0700, 53.1998,  
101.9211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BABBF
RGB	186, 187, 255
RGB Percent	73%, 73%, 100%
CMY	0.2706, 0.2667, 0.0000
CMYK	0.27, 0.27, 0.00, 0.00
HSL	239°, 100%, 86%
HSV	239°, 27%, 100%
XYZ	56.0700, 53.1998, 101.9211
YIQ	194.4530, -22.4240, 20.9360

# Conversions

## Conversions Part 2

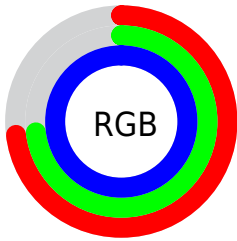
Format	Color
R <sub>Y</sub> B	186, 187, 255
Decimal	12237823
CIE Lab	77.99, 14.20, -33.59
CIE LCh	78, 36.465, 292.917
Yxy	53.1998, 0.2655, 0.2519
Android (android.graphics.Color)	4290427903 (0xFFBABBFF)
YUV	194.4530, 29.8497, -7.4133
Hunter-Lab	72.9382, 9.5770, -31.7929

# Details

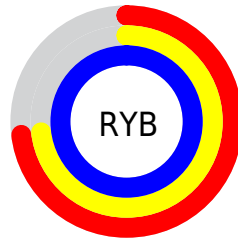
The XYZ color **56.0700, 53.1998, 101.9211** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.5447, 95.6883, 60.4170**, and the grayscale version is **51.3860, 54.0621, 58.8736**.

A 20% lighter version of the original color is **87.0627, 90.3759, 107.4633**, and **28.0782, 25.9527, 56.9556** is the 20% darker color. If you saturate the color by 10%, you get **45.5461, 40.5418, 100.0326**, and if you desaturate by 10%, it is **68.6353, 68.2973, 104.1730**.

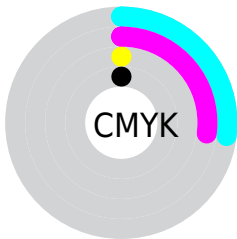
# Distribution



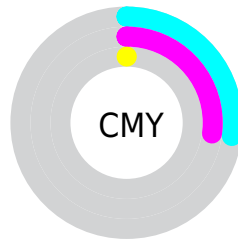
- Red (73%)
- Green (73%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0700, 53.1998, 101.9211 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 56.0700, 53.1998, 101.9211 by changing the saturation by 10% instead.



■ 56.0700, 53.1998,  
101.9211

■ 56.0700, 53.1998,  
101.9211

400.0260,  
399.0512, 587.6337

■ 40.4963, 37.9623,  
77.2801

■ 98.2461, 94.8983,  
165.8696

■ 28.1116, 25.9534,  
56.9699

125.5792,  
122.1281, 206.0141

■ 18.5507, 16.7888,  
40.5718

157.5629,  
154.1241, 252.1636

■ 11.4482, 10.0840,  
27.6675

194.5623,  
191.2707, 304.7365

■ 6.4386, 5.4547,  
17.8383

236.9430,  
233.9523, 364.1514

■ 3.1568, 2.5164,  
10.6657

285.0703,

■ 1.2372, 0.8849,

282.5534, 430.8269

5.7312

339.3095,  
337.4582, 505.1815

■ 0.1354, 0.0000,  
2.6162

■ 0.0000, 0.0000,  
0.9008

■ 56.0700, 53.1998,  
101.9211

■ 56.0700, 53.1998,  
101.9211

■ 45.5461, 40.5418,  
100.0326

■ 68.6353, 68.2973,  
104.1730

■ 36.9515, 30.1898,  
98.4874

■ 83.3368, 85.9465,  
106.8047

■ 30.1704, 22.0065,  
97.2653

95.0500, 100.0000,  
108.9000

■ 25.0730, 15.8381,  
96.3433

■ 21.5120, 11.5101,  
95.6956

■ 19.3150, 8.8187,  
95.2919

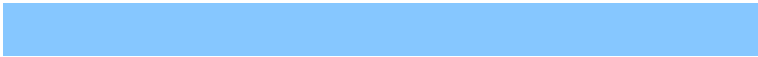
■ 18.2647, 7.5099,  
95.0946

■ 18.0902, 7.3003,  
95.0634

# Harmonies

## Analogous

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



48.9000, 53.1998, 106.0389



56.0700, 53.1998, 101.9211



62.2578, 53.1998, 84.8462

# Triad

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



56.0700, 53.1998, 101.9211



59.2521, 53.1998, 31.9958



38.1898, 53.1998, 53.2368

# Complementary

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



56.0700, 53.1998, 101.9211



85.5447, 95.6883, 60.4170

# 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.



40.4360, 53.1998, 37.4026



56.0700, 53.1998, 101.9211



52.2670, 53.1998, 27.1416

# Square

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



56.0700, 53.1998, 101.9211



64.2118, 53.1998, 43.9942



45.4323, 53.1998, 28.8586



39.0029, 53.1998, 74.5252



# Rectangle

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



56.0700, 53.1998, 101.9211



64.7708, 53.1998, 70.1876



45.4323, 53.1998, 28.8586



38.6045, 53.1998, 47.1818

# Sweetspot

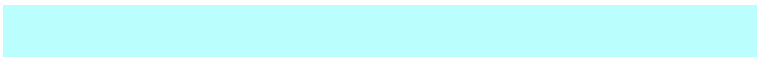
The Sweet Spot groups the original color and five complimentary colors.



56.0716, 53.2018, 101.9214



81.8576, 84.1713, 106.5401



73.8758, 89.1056, 106.9455



17.0242, 17.4199, 22.7151



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.



56.0716, 53.2018, 101.9214



50.6213, 46.6481, 100.9437



64.9288, 57.4537, 102.2753



17.0242, 17.4199, 22.7151



9.4616, 3.8328, 49.6757



0.9284, 0.3874, 4.8391



# Inverse Universe

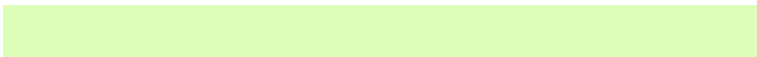
The Inverse Universe completely reimagines the original color for something new.



67.7696, 59.9671, 55.0189



63.9574, 54.3796, 47.4689



74.6408, 90.5399, 59.9980



18.0201, 17.9913, 18.7230



21.5640, 11.1149, 1.0885

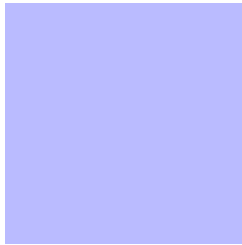


2.1032, 1.0837, 0.1249



# Previews

## White Background



This preview shows how the XYZ color 56.0700, 53.1998, 101.9211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

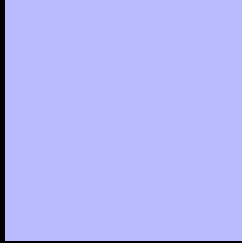
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.0700, 53.1998, 101.9211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

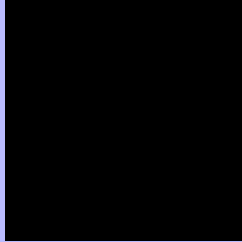
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.0700, 53.1998, 101.9211

## Background



This preview shows how black text looks on a background with the XYZ color 56.0700, 53.1998, 101.9211.



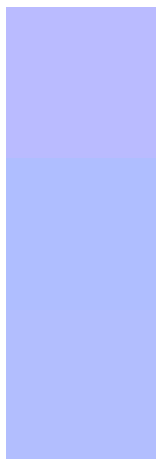
This preview shows how white text looks on a background with the XYZ color 56.0700, 53.1998,



# 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

56.0700, 53.1998, 101.9211

### Protanopia

54.1427, 53.1609, 102.0152

### Deuteranopia

54.6629, 53.4476, 101.2013



## Tritanopia

49.4044, 53.0805, 69.2697

# Trichromacy



## Original Color

56.0700, 53.1998, 101.9211

## Protanomaly

54.8380, 53.1989, 101.9859

## Deuteranomaly

55.1430, 53.3747, 101.1619

## Tritanomaly

51.5372, 52.9486, 80.1769

# Monochromacy



## Original Color

56.0700, 53.1998, 101.9211

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

52.5113, 53.2958, 72.4852

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0700, 53.1998, 101.9211 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(186, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 187, 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(186, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 187, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0700, 53.1998, 101.9211 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(186, 187, 255) }
```



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

```
.border{ border-color:rgb(186, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 187,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0700, 53.1998, 101.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 187, 255) }
```

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

```
.background{ background-color: rgb(186,  
187, 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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