

# Converting Colors

XYZ(53.6584, 50.1213,  
101.4540)

Have a look what the booklet for  
XYZ(53.6584, 50.1213, 101.4540)  
contains.

<b>XYZ(53.6299, 50.0915, 101.4498)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(53.6299, 50.0915,  
101.4498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B5FF
RGB	181, 181, 255
RGB Percent	71%, 71%, 100%
CMY	0.2902, 0.2902, 0.0000
CMYK	0.29, 0.29, 0.00, 0.00
HSL	240°, 100%, 85%
HSV	240°, 29%, 100%
XYZ	53.6299, 50.0915, 101.4498
YIQ	189.4360, -23.7540, 23.0140

# Conversions

## Conversions Part 2

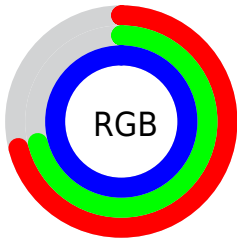
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 181, 255
Decimal	11908607
CIE <sub>Lab</sub>	76.13, 16.08, -36.50
CIE <sub>LCh</sub>	76, 39.887, 293.767
Yxy	50.0915, 0.2614, 0.2441
Android (android.graphics.Color)	4290098687 (0xFFB5B5FF)
YUV	189.4360, 32.3231, -7.3984
Hunter-Lab	70.7753, 11.4012, -35.4439

# Details

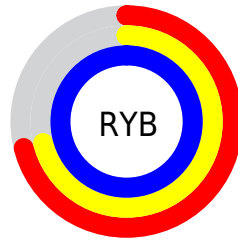
The XYZ color **53.6299, 50.0915, 101.4498** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.3407, 96.1160, 57.7721**, and the grayscale version is **48.4511, 50.9743, 55.5110**.

A 20% lighter version of the original color is **83.5941, 85.9655, 106.7949**, and **26.5164, 23.9512, 56.6516** is the 20% darker color. If you saturate the color by 10%, you get **43.4697, 37.8492, 99.6223**, and if you desaturate by 10%, it is **65.8363, 64.7994, 103.6453**.

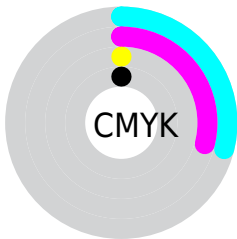
# Distribution



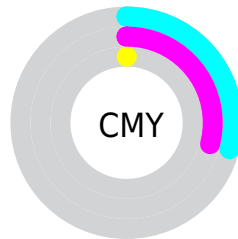
- Red (71%)
- Green (71%)
- Blue (100%)



- Red (71%)
- Yellow (71%)
- Blue (100%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6299, 50.0915, 101.4498 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 53.6299, 50.0915, 101.4498 by changing the saturation by 10% instead.



■ 53.6299, 50.0915,  
101.4498

■ 53.6299, 50.0915,  
101.4498

390.9185,  
387.0237, 586.1173

■ 38.5353, 35.4861,  
76.8883

■ 94.6907, 90.3104,  
165.2173

■ 26.5775, 24.0376,  
56.6502

121.3877,  
116.6928, 205.2604

■ 17.3911, 15.3615,  
40.3169

152.6828,  
147.7695, 251.3011

■ 10.6108, 9.0735,  
27.4701

188.9415,  
183.9251, 303.7579

■ 5.8711, 4.7891,  
17.6910

230.5290,  
225.5439, 363.0494

■ 2.8068, 2.1241,  
10.5613

277.8108,

■ 1.0524, 0.6781,

273.0104, 429.5941

5.6622

331.1522,  
326.7088, 503.8105

■ 0.0000, 0.0000,  
2.5753

■ 0.0000, 0.0000,  
0.8797

■ 53.6299, 50.0915,  
101.4498

■ 53.6299, 50.0915,  
101.4498

■ 43.4697, 37.8492,  
99.6223

■ 65.8363, 64.7994,  
103.6453

■ 35.2396, 27.9324,  
98.1419

■ 80.1873, 82.0915,  
106.2267

■ 28.8187, 20.1957,  
96.9870

95.0500, 100.0000,  
108.9000

■ 24.0710, 14.4750,  
96.1330

■ 20.8410, 10.5830,  
95.5520

■ 18.9443, 8.2976,  
95.2109

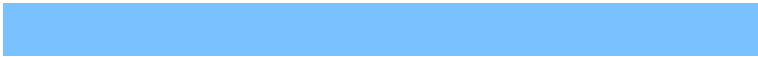
■ 18.1085, 7.2905,  
95.0605

■ 18.0500, 7.2200,  
95.0500

# Harmonies

## Analogous

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



46.0698, 50.0915, 106.4324



53.6299, 50.0915, 101.4498



60.1461, 50.0915, 82.6107

# Triad

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



53.6299, 50.0915, 101.4498



56.6040, 50.0915, 27.6580



34.7249, 50.0915, 50.2007

# Complementary

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



53.6299, 50.0915, 101.4498



85.3407, 96.1160, 57.7721

# 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.



36.9501, 50.0915, 33.6812



53.6299, 50.0915, 101.4498



49.1852, 50.0915, 23.0431

# Square

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



53.6299, 50.0915, 101.4498



61.9848, 50.0915, 39.6008



42.0592, 50.0915, 24.9171



35.6502, 50.0915, 72.8334



# Rectangle

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



53.6299, 50.0915, 101.4498



62.7568, 50.0915, 66.8524



42.0592, 50.0915, 24.9171



35.1211, 50.0915, 43.8425

# Sweetspot

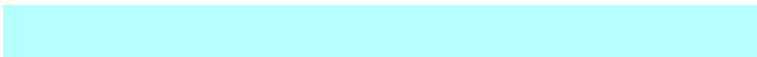
The Sweet Spot groups the original color and five complimentary colors.



53.6314, 50.0934, 101.4501



80.2157, 82.1256, 106.2318



72.6689, 88.4850, 106.8194



16.6930, 17.0042, 22.6523



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.



53.6314, 50.0934, 101.4501



47.3144, 42.4818, 100.3138



63.1210, 54.9853, 101.8941



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358



# Inverse Universe

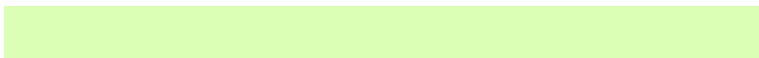
The Inverse Universe completely reimagines the original color for something new.



66.1054, 57.6454, 51.3606



61.6909, 51.1857, 42.5849



73.3850, 89.9529, 57.2126



18.0095, 17.9871, 18.6670



21.5488, 11.1088, 1.0085

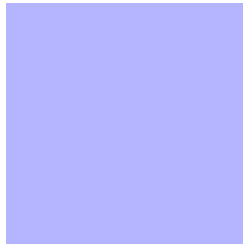


2.0981, 1.0816, 0.0982



# Previews

## White Background



This preview shows how the XYZ color 53.6299, 50.0915, 101.4498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

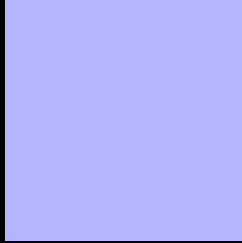
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6299, 50.0915, 101.4498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

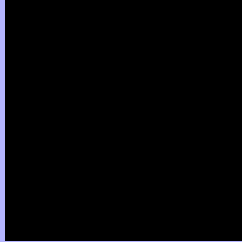
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.6299, 50.0915, 101.4498

## Background



This preview shows how black text looks on a background with the XYZ color 53.6299, 50.0915, 101.4498.



This preview shows how white text looks on a background with the XYZ color 53.6299, 50.0915,



# 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

53.6299, 50.0915, 101.4498

### Protanopia

51.3353, 50.1334, 101.5788

### Deuteranopia

51.3868, 50.1785, 100.7430



## Tritanopia

46.3486, 49.9411, 65.5893

# Trichromacy



## Original Color

53.6299, 50.0915, 101.4498

## Protanomaly

52.2037, 50.2716, 101.5597

## Deuteranomaly

52.2635, 50.3210, 100.7243

## Tritanomaly

48.9041, 50.0364, 77.6015

# Monochromacy



## Original Color

53.6299, 50.0915, 101.4498

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.8188, 50.3610, 70.0457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6299, 50.0915, 101.4498 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(181, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 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(181, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6299, 50.0915, 101.4498 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(181, 181, 255) }
```



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

```
.border{ border-color:rgb(181, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6299, 50.0915, 101.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 255) }
```

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

```
.background{ background-color: rgb(181,  
181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor