

# Converting Colors

XYZ(57.4385, 47.7416,  
123.0424)

Have a look what the booklet for  
XYZ(57.4385, 47.7416, 123.0424)  
contains.

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# Color

**XYZ(53.2878, 46.1724,  
100.7113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEA8FF
RGB	190, 168, 255
RGB Percent	75%, 66%, 100%
CMY	0.2549, 0.3412, 0.0000
CMYK	0.25, 0.34, 0.00, 0.00
HSL	255°, 100%, 83%
HSV	255°, 34%, 100%
XYZ	53.2878, 46.1724, 100.7113
YIQ	184.4960, -14.8150, 31.7210

# Conversions

## Conversions Part 2

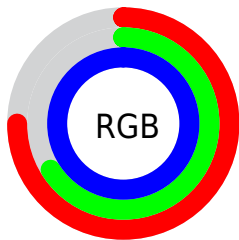
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 168, 255</a>
Decimal	<a href="#">12495103</a>
CIELab	<a href="#">73.66, 25.83, -40.28</a>
CIELCh	<a href="#">74, 47.856, 302.671</a>
Yxy	<a href="#">46.1724, 0.2662, 0.2307</a>
Android (android.graphics.Color)	<a href="#">4290685183</a> ( <a href="#">0xFFBEA8FF</a> )
YUV	<a href="#">184.4960, 34.7585, 4.8270</a>
Hunter-Lab	<a href="#">67.9503, 21.0699, -40.3104</a>

# Details

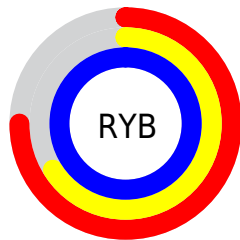
The XYZ color **53.2878, 46.1724, 100.7113** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.4327, 91.6710, 50.7134**, and the grayscale version is **45.6550, 48.0326, 52.3075**.

A 20% lighter version of the original color is **83.1491, 79.9518, 105.6576**, and **26.4301, 21.7189, 56.2252** is the 20% darker color. If you saturate the color by 10%, you get **44.5821, 35.3687, 99.0848**, and if you desaturate by 10%, it is **63.5415, 59.1463, 102.6751**.

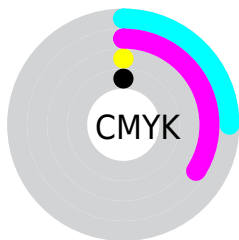
# Distribution



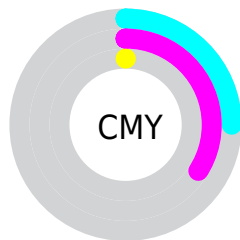
- Red (75%)
- Green (66%)
- Blue (100%)



- Red (75%)
- Yellow (66%)
- Blue (100%)



- Cyan (25%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (34%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2878, 46.1724, 100.7113 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 53.2878, 46.1724, 100.7113 by changing the saturation by 10% instead.





 53.2878, 46.1724,  
100.7113


 53.2878, 46.1724,  
100.7113


389.6311,  
371.5013, 583.7369

 38.2610, 32.3819,  
76.2745

 94.1908, 84.4770,  
164.1947

 26.3634, 21.6534,  
56.1496

 120.7976,  
109.7598, 204.0784

 17.2298, 13.6024,  
39.9181


151.9952,  
139.6422, 249.9482

 10.4948, 7.8447,  
27.1614

188.1488,  
174.5085, 302.2226

 5.7930, 3.9957,  
17.4610

229.6239,  
214.7432, 361.3201

 2.7591, 1.6712,  
10.3983

276.7857,

 1.0277, 0.4049,

260.7306, 427.6593

5.5548

329.9997,  
312.8552, 501.6587

■ 0.0000, 0.0000,  
2.5119

■ 0.0000, 0.0000,  
0.8465

■ 53.2878, 46.1724,  
100.7113

■ 53.2878, 46.1724,  
100.7113

■ 44.5821, 35.3687,  
99.0848

■ 63.5415, 59.1463,  
102.6751

■ 37.3418, 26.6092,  
97.7757

■ 75.4111, 74.3963,  
104.9931

■ 31.4832, 19.7628,  
96.7630

■ 88.9660, 92.0278,  
107.6819

■ 26.9114, 14.6806,  
96.0230

95.0500, 100.0000,  
108.9000

■ 23.5187, 11.1910,  
95.5282

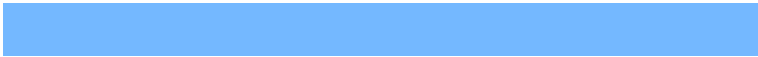
■ 21.1770, 9.0857,  
95.2453

■ 20.1959, 8.3263,  
95.1504

# Harmonies

## Analogous

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



44.6496, 46.1724, 112.8259



53.2878, 46.1724, 100.7113



60.0211, 46.1724, 74.9013

# Triad

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



53.2878, 46.1724, 100.7113



51.8040, 46.1724, 19.1558



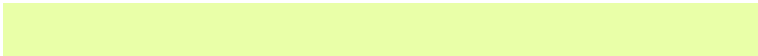
29.5311, 46.1724, 52.4814

# Complementary

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



53.2878, 46.1724, 100.7113



76.4327, 91.6710, 50.7134

# 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.



30.9366, 46.1724, 31.7400



53.2878, 46.1724, 100.7113



43.1301, 46.1724, 16.5694

# Square

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



53.2878, 46.1724, 100.7113



59.0899, 46.1724, 29.0464



35.6598, 46.1724, 20.3224



31.5423, 46.1724, 79.9259



# Rectangle

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



53.2878, 46.1724, 100.7113



62.1232, 46.1724, 56.4686



35.6598, 46.1724, 20.3224



29.6199, 46.1724, 44.5497

# Sweetspot

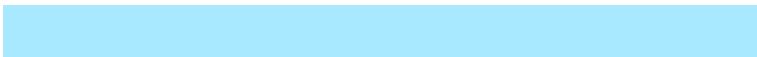
The Sweet Spot groups the original color and five complimentary colors.



53.2893, 46.1742, 100.7116



80.7828, 81.3598, 106.0540



63.4092, 73.9652, 105.5424



16.8913, 16.8956, 22.6209



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.



53.2893, 46.1742, 100.7116



47.1343, 38.5106, 99.5568



65.7396, 52.5925, 101.2943



17.4334, 17.5996, 22.7282



10.6676, 4.4098, 49.7235



1.1341, 0.4786, 4.8459



# Inverse Universe

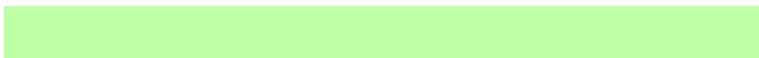
The Inverse Universe completely reimagines the original color for something new.



69.9514, 55.1499, 84.0495



66.3000, 48.8493, 79.7428



64.0017, 85.2626, 50.1317



18.5849, 18.2173, 21.6971



26.4982, 13.0886, 27.0716

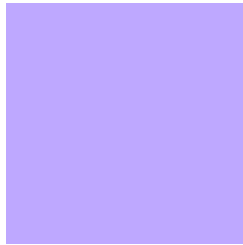


2.6240, 1.2920, 2.8674



# Previews

## White Background



This preview shows how the XYZ color 53.2878, 46.1724, 100.7113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

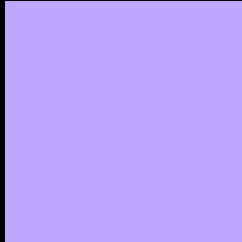
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2878, 46.1724, 100.7113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

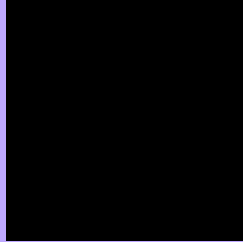
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2878, 46.1724, 100.7113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2878, 46.1724, 100.7113.



This preview shows how white text looks on a background with the XYZ color 53.2878, 46.1724,



# 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

53.2878, 46.1724, 100.7113

### Protanopia

47.8750, 46.2289, 101.0075

### Deuteranopia

47.5600, 46.4000, 99.3779



## Tritanopia

44.6493, 46.1213, 57.5880

# Trichromacy



## Original Color

53.2878, 46.1724, 100.7113

## Protanomaly

49.5482, 45.9271, 100.8611

## Deuteranomaly

49.3678, 46.1405, 100.0700

## Tritanomaly

47.4484, 46.0758, 71.3585

# Monochromacy



## Original Color

53.2878, 46.1724, 100.7113

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

47.8030, 46.9330, 67.5123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2878, 46.1724, 100.7113 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(190, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 168, 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(190, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 168, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2878, 46.1724, 100.7113 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(190, 168, 255) }
```



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

```
.border{ border-color:rgb(190, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 168,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2878, 46.1724, 100.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 168, 255) }
```

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

```
.background{ background-color: rgb(190,  
168, 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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