

# Converting Colors

XYZ(55.8635, 51.2580,  
101.5572)

Have a look what the booklet for  
XYZ(55.8635, 51.2580, 101.5572)  
contains.

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# **Color**

**XYZ(55.8091, 51.2149,  
101.5517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BEB5FF</b>
RGB	190, 181, 255
RGB Percent	75%, 71%, 100%
CMY	0.2549, 0.2902, 0.0000
CMYK	0.25, 0.29, 0.00, 0.00
HSL	247°, 100%, 85%
HSV	247°, 29%, 100%
XYZ	55.8091, 51.2149, 101.5517
YIQ	192.1270, -18.3900, 24.9220

# Conversions

## Conversions Part 2

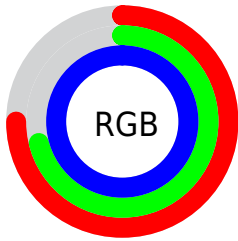
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 181, 255</a>
Decimal	<a href="#">12498431</a>
CIELab	<a href="#">76.81, 18.65, -35.39</a>
CIELCh	<a href="#">77, 40.005, 297.789</a>
Yxy	<a href="#">51.2149, 0.2676, 0.2455</a>
Android (android.graphics.Color)	<a href="#">4290688511</a> ( <a href="#">0xFFBEB5FF</a> )
YUV	<a href="#">192.1270, 30.9964, -1.8654</a>
Hunter-Lab	<a href="#">71.5646, 13.9638, -34.0386</a>

# Details

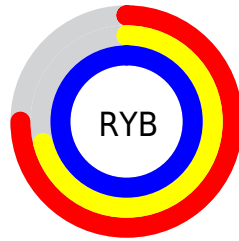
The XYZ color **55.8091, 51.2149, 101.5517** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1071, 94.4493, 57.6211**, and the grayscale version is **50.0108, 52.6153, 57.2981**.

A 20% lighter version of the original color is **86.6920, 87.5625, 106.9398**, and **27.9039, 24.6665, 56.7165** is the 20% darker color. If you saturate the color by 10%, you get **45.9198, 39.1122, 99.7369**, and if you desaturate by 10%, it is **67.5102, 65.6625, 103.7237**.

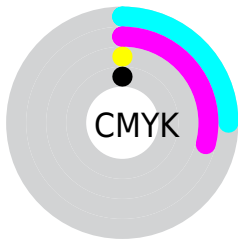
# Distribution



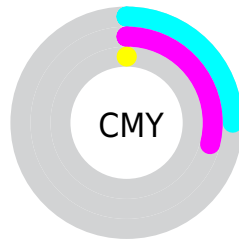
- Red (75%)
- Green (71%)
- Blue (100%)



- Red (75%)
- Yellow (71%)
- Blue (100%)



- Cyan (25%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8091, 51.2149, 101.5517 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 55.8091, 51.2149, 101.5517 by changing the saturation by 10% instead.



■ 55.8091, 51.2149,  
101.5517

■ 55.8091, 51.2149,  
101.5517

399.0584,  
391.3981, 586.4453

■ 40.2863, 36.3797,  
76.9730

■ 97.8668, 91.9724,  
165.3584

■ 27.9470, 24.7276,  
56.7193

125.1325,  
118.6634, 205.4234

■ 18.4260, 15.8742,  
40.3720

157.0431,  
150.0751, 251.4876

■ 11.3578, 9.4352,  
27.5127

193.9640,  
186.5919, 303.9696

■ 6.3771, 5.0261,  
17.7228

236.2607,  
228.5982, 363.2877

■ 3.1185, 2.2626,  
10.5838

284.2984,

■ 1.2168, 0.7538,

276.4784, 429.8607

5.6771

338.4425,  
330.6169, 504.1071

■ 0.1195, 0.0000,  
2.5842

■ 0.0000, 0.0000,  
0.8843

■ 55.8091, 51.2149,  
101.5517

■ 55.8091, 51.2149,  
101.5517

■ 45.9198, 39.1122,  
99.7369

■ 67.5102, 65.6625,  
103.7237

■ 37.7465, 29.2247,  
98.2592

■ 81.1028, 82.5636,  
106.2695

■ 31.1920, 21.4191,  
97.0980

95.0500, 100.0000,  
108.9000

■ 26.1471, 15.5452,  
96.2302

■ 22.4889, 11.4325,  
95.6291

■ 20.0746, 8.8803,  
95.2638

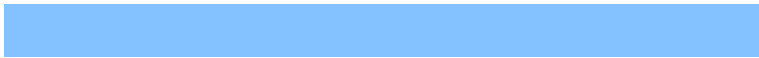
■ 18.7112, 7.6012,  
95.0887

■ 18.6155, 7.5115,  
95.0765

# Harmonies

## Analogous

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



48.1170, 51.2149, 108.8674



55.8091, 51.2149, 101.5517



62.1093, 51.2149, 81.1611

# Triad

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



55.8091, 51.2149, 101.5517



56.8849, 51.2149, 27.3349



35.4950, 51.2149, 54.1662

# Complementary

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



55.8091, 51.2149, 101.5517



82.1071, 94.4493, 57.6211

# 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.



37.3381, 51.2149, 36.3094



55.8091, 51.2149, 101.5517



49.2438, 51.2149, 23.5426

# Square

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



55.8091, 51.2149, 101.5517



62.7744, 51.2149, 38.4497



42.1822, 51.2149, 26.3439



36.8680, 51.2149, 77.6244



# Rectangle

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



55.8091, 51.2149, 101.5517



64.3921, 51.2149, 65.0867



42.1822, 51.2149, 26.3439



35.7545, 51.2149, 47.3775

# Sweetspot

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



55.8107, 51.2169, 101.5520



81.1292, 82.5965, 106.2745



70.1745, 83.1793, 106.9644



16.9157, 17.1190, 22.6627



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.



55.8107, 51.2169, 101.5520



49.6823, 43.7024, 100.4246



66.1381, 56.5409, 102.0354



17.2082, 17.4835, 22.7176



9.7908, 3.9578, 49.6825



1.0154, 0.4174, 4.8403



# Inverse Universe

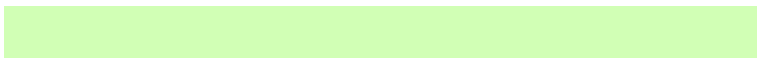
The Inverse Universe completely reimagines the original color for something new.



74.3993, 60.9632, 95.0350



71.1820, 54.9821, 92.5646



70.4999, 88.4656, 57.0779



18.6919, 18.2601, 22.2609



28.6157, 13.9356, 38.2226

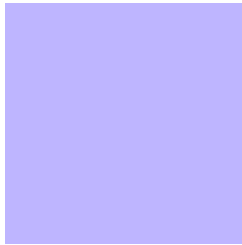


2.8119, 1.3671, 3.8566



# Previews

## White Background



This preview shows how the XYZ color 55.8091, 51.2149, 101.5517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

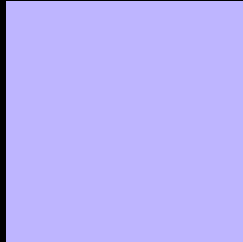
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8091, 51.2149, 101.5517 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 55.8091, 51.2149, 101.5517

## Background



This preview shows how black text looks on a background with the XYZ color 55.8091, 51.2149, 101.5517.



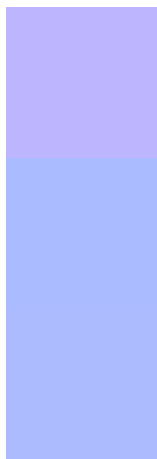
This preview shows how white text looks on a background with the XYZ color 55.8091, 51.2149,



# 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

55.8091, 51.2149, 101.5517

### Protanopia

52.3979, 51.3067, 101.7493

### Deuteranopia

52.6730, 51.4671, 100.9239



## Tritanopia

48.3764, 50.9864, 65.6842

# Trichromacy



## Original Color

55.8091, 51.2149, 101.5517

## Protanomaly

53.5304, 51.2650, 101.6815

## Deuteranomaly

53.8288, 51.4374, 100.8573

## Tritanomaly

50.9920, 51.1128, 77.6992

# Monochromacy



## Original Color

55.8091, 51.2149, 101.5517

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

51.7348, 51.9491, 71.5904

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8091, 51.2149, 101.5517 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 181, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8091, 51.2149, 101.5517 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, 181, 255) }
```



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

```
.border{ border-color:rgb(190, 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(190, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 181,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8091, 51.2149, 101.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 181, 255) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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