

# Converting Colors

XYZ(51.9482, 50.2288, 70.7095)

Have a look what the booklet for  
XYZ(51.9482, 50.2288, 70.7095)  
contains.

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# Color

**XYZ(51.8915, 50.1813,  
70.5693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B6D6
RGB	197, 182, 214
RGB Percent	77%, 71%, 84%
CMY	0.2274, 0.2863, 0.1608
CMYK	0.08, 0.15, 0.00, 0.16
HSL	268°, 28%, 78%
HSV	268°, 15%, 84%
XYZ	51.8915, 50.1813, 70.5693
YIQ	190.1330, -1.3320, 13.1320

# Conversions

## Conversions Part 2

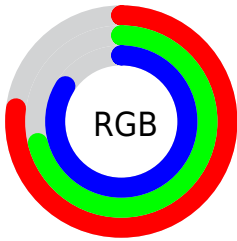
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 182, 214
Decimal	12957398
CIE Lab	76.18, 11.32, -14.15
CIE LCh	76, 18.123, 308.674
Yxy	50.1813, 0.3006, 0.2907
Android (android.graphics.Color)	4291147478 (0xFFC5B6D6)
YUV	190.1330, 11.7664, 6.0224
Hunter-Lab	70.8388, 6.7887, -9.4773

# Details

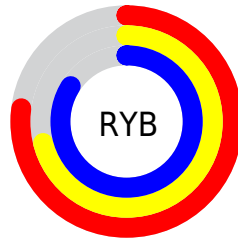
The XYZ color **51.8915, 50.1813, 70.5693** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.0451, 63.6140, 53.5833**, and the grayscale version is **48.9564, 51.5059, 56.0899**.

A 20% lighter version of the original color is **89.4976, 89.4399, 107.1543**, and **25.4360, 24.0434, 36.1011** is the 20% darker color. If you saturate the color by 10%, you get **44.9740, 40.5999, 69.0853**, and if you desaturate by 10%, it is **59.7064, 61.2222, 72.2893**.

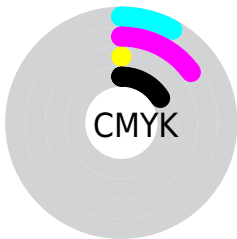
# Distribution



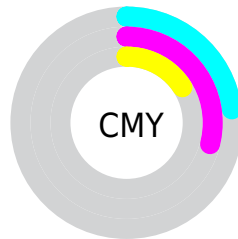
- Red (77%)
- Green (71%)
- Blue (84%)



- Red (77%)
- Yellow (71%)
- Blue (84%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (23%)
- Magenta (29%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8915, 50.1813, 70.5693 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 51.8915, 50.1813, 70.5693 by changing the saturation by 10% instead.



■ 51.8915, 50.1813,  
70.5693

■ 51.8915, 50.1813,  
70.5693

384.3484,  
387.3745, 481.3894

■ 37.1425, 35.5575,  
51.5111

■ 92.1464, 90.4434,  
121.7090

■ 25.4920, 24.0926,  
36.2360

118.3830,  
116.8505, 154.6276

■ 16.5747, 15.4023,  
24.3254

149.1795,  
147.9542, 193.0033

■ 10.0251, 9.1022,  
15.3607

184.9013,  
184.1388, 237.2549

■ 5.4780, 4.8079,  
8.9235

225.9138,  
225.7887, 287.8007

■ 2.5680, 2.1350,  
4.5952

272.5822,

■ 0.9297, 0.6842,

273.2884, 345.0594

1.9572

325.2720,  
327.0222, 409.4495

■ 0.0000, 0.0000,  
0.5288

■ 0.0000, 0.0000,  
0.0000

■ 51.8915, 50.1813,  
70.5693

■ 51.8915, 50.1813,  
70.5693

■ 44.9740, 40.5999,  
69.0853

■ 59.7064, 61.2222,  
72.2893

■ 38.9140, 32.4084,  
67.8235

■ 68.4471, 73.7753,  
74.2516

■ 33.6754, 25.5411,  
66.7741

■ 78.1467, 87.8988,  
76.4665

■ 29.2173, 19.9242,  
65.9249

■ 84.6809, 95.3375,  
77.5579

■ 25.4951, 15.4765,  
65.2626

■ 88.7160, 97.4177,  
77.7468

■ 22.4589, 12.1069,  
64.7722

■ 89.1377, 97.6351,  
77.7665

■ 20.0515, 9.7097,  
64.4364

■ 18.2042, 8.1568,  
64.2340

■ 17.4269, 7.5818,  
64.1640

# Harmonies

## Analogous

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



48.6869, 50.1813, 75.2778



51.8915, 50.1813, 70.5693



54.0374, 50.1813, 61.7223

# Triad

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



51.8915, 50.1813, 70.5693



50.1090, 50.1813, 39.0113



41.5305, 50.1813, 57.5065

# Complementary

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



51.8915, 50.1813, 70.5693



56.0451, 63.6140, 53.5833

# 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.



41.8709, 50.1813, 48.1193



51.8915, 50.1813, 70.5693



46.7183, 50.1813, 38.1659

# Square

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



51.8915, 50.1813, 70.5693



52.9748, 50.1813, 43.7714



43.7326, 50.1813, 41.3068



42.7798, 50.1813, 67.1710



# Rectangle

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



51.8915, 50.1813, 70.5693



54.5226, 50.1813, 55.0726



43.7326, 50.1813, 41.3068



41.4641, 50.1813, 54.2075

# Sweetspot

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



51.8930, 50.1834, 70.5704



89.9162, 92.6505, 107.7520



51.8696, 55.6796, 71.6325



19.0445, 19.5440, 23.0186



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.



51.8930, 50.1834, 70.5704



73.7054, 69.7947, 104.1948



56.2882, 52.4492, 70.7761



12.2905, 12.2912, 15.6622



10.6513, 4.6434, 38.7880



0.7375, 0.3291, 2.3440



# Inverse Universe

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



54.7701, 51.8778, 61.1621



78.8426, 72.8210, 87.3560



52.0362, 61.5473, 53.3957



12.6962, 12.5300, 14.3406



18.6404, 9.3925, 10.6764

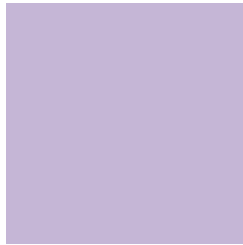


1.1660, 0.5832, 0.8634



# Previews

## White Background



This preview shows how the XYZ color 51.8915, 50.1813, 70.5693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

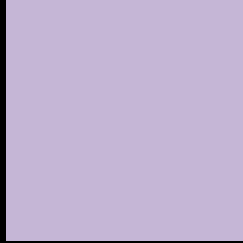
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8915, 50.1813, 70.5693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

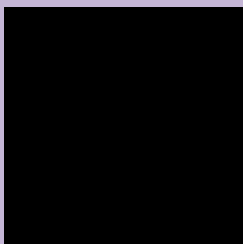
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

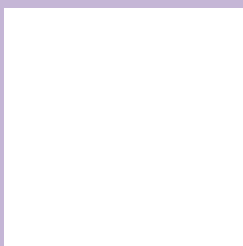
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.8915, 50.1813, 70.5693

## Background



This preview shows how black text looks on a background with the XYZ color 51.8915, 50.1813, 70.5693.



This preview shows how white text looks on a background with the XYZ color 51.8915, 50.1813,



# 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

51.8915, 50.1813, 70.5693

### Protanopia

49.3747, 50.0726, 72.7083

### Deuteranopia

51.3192, 50.1913, 70.6014



## Tritanopia

50.1634, 50.4235, 61.1217

# Trichromacy



## Original Color

51.8915, 50.1813, 70.5693

## Protanomaly

50.2371, 50.2206, 72.0115

## Deuteranomaly

51.5768, 50.3241, 70.6135

## Tritanomaly

50.8045, 50.3764, 64.1727

# Monochromacy



## Original Color

51.8915, 50.1813, 70.5693

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.0714, 51.0016, 61.2381

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8915, 50.1813, 70.5693 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(197, 182, 214)` looks like.

```
.text, #text, p{  
    color:rgb(197, 182, 214)  
}
```

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(197, 182, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 182, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8915, 50.1813, 70.5693 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(197, 182, 214) }
```



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

```
.border{ border-color:rgb(197, 182, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 182, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 182, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 182, 214);  
box-shadow:4px 4px 4px 4px rgb(197, 182,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8915, 50.1813, 70.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 182, 214) }
```

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

```
.background{ background-color: rgb(197,  
182, 214) }
```

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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