

Converting Colors

XYZ(51.8199, 51.5249, 75.7530)

Have a look what the booklet for
XYZ(51.8199, 51.5249, 75.7530)
contains.

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Color

**XYZ(51.8077, 51.5799,
75.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBBDD
RGB	189, 187, 221
RGB Percent	74%, 73%, 87%
CMY	0.2588, 0.2666, 0.1333
CMYK	0.14, 0.15, 0.00, 0.13
HSL	244°, 33%, 80%
HSV	244°, 15%, 87%
XYZ	51.8077, 51.5799, 75.6320
YIQ	191.4740, -9.7220, 10.9980

Conversions

Conversions Part 2

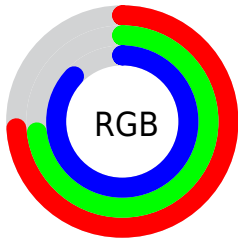
Format	Color
RYB	189, 187, 221
Decimal	12434397
CIELab	77.03, 7.45, -16.73
CIELCh	77, 18.312, 293.996
Yxy	51.5799, 0.2894, 0.2881
Android (android.graphics.Color)	4290624477 (0xFFBDBBDD)
YUV	191.4740, 14.5563, -2.1697
Hunter-Lab	71.8191, 3.0798, -12.1643

Details

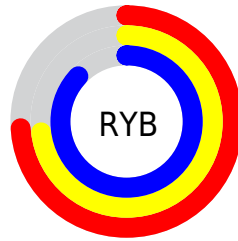
The XYZ color **51.8077, 51.5799, 75.6320** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.0414, 70.3622, 57.2220**, and the grayscale version is **49.7198, 52.3091, 56.9646**.

A 20% lighter version of the original color is **87.7568, 90.7337, 107.4958**, and **25.3997, 24.9543, 39.5543** is the 20% darker color. If you saturate the color by 10%, you get **42.6803, 40.4431, 73.9643**, and if you desaturate by 10%, it is **62.3998, 64.5455, 77.5772**.

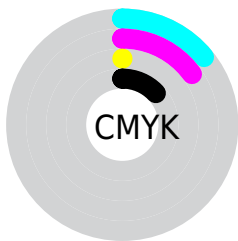
Distribution



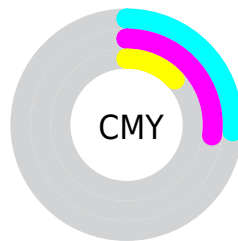
- Red (74%)
- Green (73%)
- Blue (87%)



- Red (74%)
- Yellow (73%)
- Blue (87%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (26%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8077, 51.5799, 75.6320 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 51.8077, 51.5799, 75.6320 by changing the saturation by 10% instead.

■ 51.8077, 51.5799,
75.6320

■ 51.8077, 51.5799,
75.6320

384.0299,
392.8126, 499.4003

■ 37.0755, 36.6703,
55.6260

■ 92.0235, 92.5114,
128.9619

■ 25.4399, 24.9523,
39.5011

118.2377,
119.3021, 163.1228

■ 16.5356, 16.0416,
26.8390

149.0101,
150.8220, 202.8391

■ 9.9972, 9.5536,
17.2210

184.7058,
187.4554, 248.5294

■ 5.4593, 5.1040,
10.2285

225.6903,
229.5868, 300.6121

■ 2.5567, 2.3084,
5.4432

272.3289,

■ 0.9239, 0.7781,

277.6005, 359.5058

2.4463

324.9870,
331.8810, 425.6290

■ 0.0000, 0.0000,
0.8115

■ 0.0000, 0.0000,
0.0000

■ 51.8077, 51.5799,
75.6320

■ 51.8077, 51.5799,
75.6320

■ 42.6803, 40.4431,
73.9643

■ 62.3998, 64.5455,
77.5772

■ 34.9487, 31.0466,
72.5581

■ 74.5121, 79.4102,
79.8079

■ 28.5453, 23.3046,
71.4012

■ 88.2031, 96.2484,
82.3365

■ 23.3953, 17.1210,
70.4791

■ 90.0513, 98.0005,
82.5772

■ 19.4164, 12.3901,
69.7756

■ 16.5163, 8.9930,
69.2728

■ 14.5888, 6.7921,
68.9495

■ 13.5061, 5.6194,
68.7803

■ 13.2171, 5.3060,
68.7350

Harmonies

Analogous

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



48.3260, 51.5799, 77.5467



51.8077, 51.5799, 75.6320



54.6620, 51.5799, 68.2454

Triad

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



51.8077, 51.5799, 75.6320



53.0804, 51.5799, 41.9932



42.6441, 51.5799, 54.1737

Complementary

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



51.8077, 51.5799, 75.6320



64.0414, 70.3622, 57.2220

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.



43.7898, 51.5799, 45.5959



51.8077, 51.5799, 75.6320



49.7310, 51.5799, 39.1211

Square

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



51.8077, 51.5799, 75.6320



55.4209, 51.5799, 48.6965



46.3441, 51.5799, 40.3574



43.1414, 51.5799, 64.3534

Rectangle

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



51.8077, 51.5799, 75.6320



55.7691, 51.5799, 61.6339



46.3441, 51.5799, 40.3574



42.8481, 51.5799, 51.0235

Sweetspot

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



51.8093, 51.5820, 75.6332



86.8385, 89.9277, 107.3887



58.9561, 66.6063, 78.1564



18.3492, 18.9568, 22.9419



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.



51.8093, 51.5820, 75.6332



67.9679, 66.8369, 103.9263



56.1936, 53.8423, 75.8383



12.4091, 12.6535, 16.4405



7.7091, 3.0984, 39.9301



0.5249, 0.2139, 2.5881

Inverse Universe

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



60.3770, 56.0295, 74.6528



81.6837, 73.9575, 102.3174



59.2660, 67.9004, 56.9985



13.5796, 13.2609, 16.3135



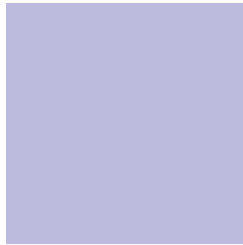
23.9520, 11.5818, 35.7226



1.5620, 0.7544, 2.3684

Previews

White Background



This preview shows how the XYZ color 51.8077, 51.5799, 75.6320 looks on a white background.

Color Contrast Check

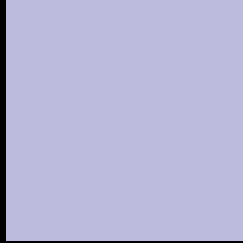
Large Text (above 18pt) WCAG AA × Fail

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 51.8077, 51.5799, 75.6320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

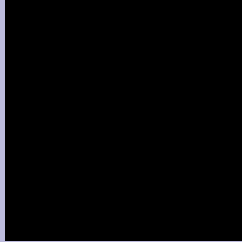
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8077, 51.5799, 75.6320

Background



This preview shows how black text looks on a background with the XYZ color 51.8077, 51.5799, 75.6320.



This preview shows how white text looks on a background with the XYZ color 51.8077, 51.5799,

75.6320.

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

51.8077, 51.5799, 75.6320

Protanopia

51.1496, 51.8595, 76.4212

Deuteranopia

52.6482, 51.3877, 75.5506



Tritanopia

49.6826, 51.6738, 65.1131

Trichromacy



Original Color

51.8077, 51.5799, 75.6320

Protanomaly

51.4177, 51.6795, 76.3724

Deuteranomaly

52.3483, 51.5447, 75.5967

Tritanomaly

50.4490, 51.6631, 68.9411

Monochromacy



Original Color

51.8077, 51.5799, 75.6320

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.3093, 52.0383, 63.2699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8077, 51.5799, 75.6320 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(189, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(189, 187, 221)  
}
```

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(189, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 187, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.8077, 51.5799, 75.6320 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(189, 187, 221) }
```


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

```
.border{ border-color:rgb(189, 187, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(189, 187,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8077, 51.5799, 75.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 187, 221) }
```

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

```
.background{ background-color: rgb(189,  
187, 221) }
```

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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