

Converting Colors

XYZ(51.2189, 49.1791, 71.2225)

Have a look what the booklet for
XYZ(51.2189, 49.1791, 71.2225)
contains.

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Color

**XYZ(51.0927, 49.1509,
71.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	C3B4D7
RGB	195, 180, 215
RGB Percent	76%, 71%, 84%
CMY	0.2353, 0.2941, 0.1569
CMYK	0.09, 0.16, 0.00, 0.16
HSL	266°, 30%, 77%
HSV	266°, 16%, 84%
XYZ	51.0927, 49.1509, 71.0842
YIQ	188.4750, -2.2950, 14.0650

Conversions

Conversions Part 2

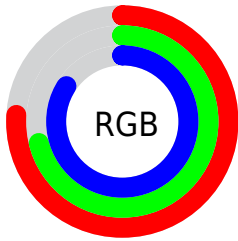
Format	Color
RYB	195, 180, 215
Decimal	12825815
CIELab	75.55, 11.96, -15.66
CIELCh	76, 19.705, 307.352
Yxy	49.1509, 0.2982, 0.2869
Android (android.graphics.Color)	4291015895 (0xFFC3B4D7)
YUV	188.4750, 13.0768, 5.7224
Hunter-Lab	70.1077, 7.3978, -11.0404

Details

The XYZ color **51.0927, 49.1509, 71.0842** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.3598, 64.1768, 52.5992**, and the grayscale version is **48.0002, 50.4999, 54.9944**.

A 20% lighter version of the original color is **88.1903, 87.9064, 106.9272**, and **24.9190, 23.3795, 36.4570** is the 20% darker color. If you saturate the color by 10%, you get **44.0398, 39.5649, 69.6064**, and if you desaturate by 10%, it is **59.0831, 60.2222, 72.8008**.

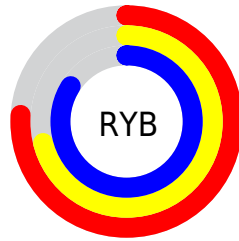
Distribution



Red (76%)

Green (71%)

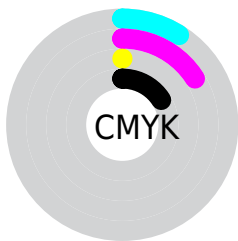
Blue (84%)



Red (76%)

Yellow (71%)

Blue (84%)

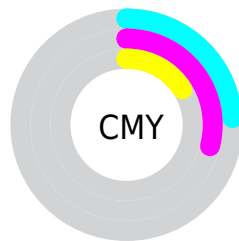


Cyan (9%)

Magenta (16%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (29%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0927, 49.1509, 71.0842 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 51.0927, 49.1509, 71.0842 by changing the saturation by 10% instead.

■ 51.0927, 49.1509,
71.0842

■ 51.0927, 49.1509,
71.0842

381.3056,
383.3361, 483.2393

■ 36.5037, 34.7392,
51.9287

■ 90.9740, 88.9155,
122.4492

■ 24.9954, 23.4620,
36.5664

116.9970,
115.0373, 155.4957

■ 16.2023, 14.9350,
24.5788

147.5620,
145.8311, 194.0096

■ 9.7592, 8.7738,
15.5473

183.0345,
181.6815, 238.4095

■ 5.3006, 4.5939,
9.0536

223.7797,
222.9728, 289.1139

■ 2.4613, 2.0110,
4.6788

270.1631,

■ 0.8758, 0.6139,

270.0894, 346.5413

2.0047

322.5499,
323.4157, 411.1102

■ 0.0000, 0.0000,
0.5581

■ 0.0000, 0.0000,
0.0000

■ 51.0927, 49.1509,
71.0842

■ 51.0927, 49.1509,
71.0842

■ 44.0398, 39.5649,
69.6064

■ 59.0831, 60.2222,
72.8008

■ 37.8826, 31.3928,
68.3535

■ 68.0414, 72.8335,
74.7629

■ 32.5829, 24.5667,
67.3153

■ 78.0023, 87.0444,
76.9809

■ 28.0975, 19.0103,
66.4792

■ 85.3854, 95.6859,
78.2597

■ 24.3790, 14.6395,
65.8316

■ 89.2659, 97.6864,
78.4413

■ 21.3748, 11.3598,
65.3568

■ 19.0240, 9.0610,
65.0370

■ 17.2517, 7.6056,
64.8495

■ 16.6932, 7.1887,
64.7985

Harmonies

Analogous

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



47.6178, 49.1509, 75.9595



51.0927, 49.1509, 71.0842



53.4779, 49.1509, 61.6124

Triad

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



51.0927, 49.1509, 71.0842



49.4636, 49.1509, 37.0679



40.1132, 49.1509, 56.1231

Complementary

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



51.0927, 49.1509, 71.0842



56.3598, 64.1768, 52.5992

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.



40.5504, 49.1509, 46.1637



51.0927, 49.1509, 71.0842



45.8266, 49.1509, 35.9974

Square

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



51.0927, 49.1509, 71.0842



52.5038, 49.1509, 42.2538



42.5975, 49.1509, 39.1124



41.3708, 49.1509, 66.6224

Rectangle

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



51.0927, 49.1509, 71.0842



54.0624, 49.1509, 54.4483



42.5975, 49.1509, 39.1124



40.0680, 49.1509, 52.5963

Sweetspot

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



51.0942, 49.1530, 71.0853



88.4866, 90.7774, 107.4658



51.8408, 56.1131, 72.3894



18.7486, 19.1627, 22.9606



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.



51.0942, 49.1530, 71.0853



70.9616, 66.5512, 103.7133



55.7638, 51.5603, 71.3038



12.2422, 12.2663, 15.6599



10.1005, 4.3595, 38.7623



0.7029, 0.3112, 2.3423

Inverse Universe

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



54.7725, 51.2618, 61.6534



77.5615, 70.3372, 86.6875



52.0490, 61.9545, 52.3975



12.7176, 12.5386, 14.4534



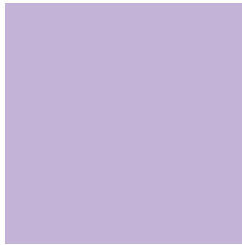
18.9493, 9.5160, 12.3028



1.1840, 0.5904, 0.9585

Previews

White Background



This preview shows how the XYZ color 51.0927, 49.1509, 71.0842 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 51.0927, 49.1509, 71.0842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

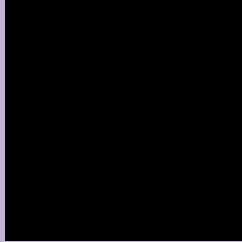
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0927, 49.1509, 71.0842

Background



This preview shows how black text looks on a background with the XYZ color 51.0927, 49.1509, 71.0842.



This preview shows how white text looks on a background with the XYZ color 51.0927, 49.1509,

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

51.0927, 49.1509, 71.0842

Protanopia

48.8262, 49.4632, 73.3036

Deuteranopia

50.4795, 49.4386, 71.1720



Tritanopia

48.7498, 49.1047, 59.7321

Trichromacy



Original Color

51.0927, 49.1509, 71.0842

Protanomaly

49.4655, 49.1910, 72.5333

Deuteranomaly

50.5278, 49.1605, 71.1158

Tritanomaly

49.6194, 49.1530, 63.9990

Monochromacy



Original Color

51.0927, 49.1509, 71.0842

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.0279, 49.8515, 60.4643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0927, 49.1509, 71.0842 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(195, 180, 215)` looks like.

```
.text, #text, p{  
    color:rgb(195, 180, 215)  
}
```

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(195, 180, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 180, 215) }
```

Border

The CSS property to change the border of an element to XYZ 51.0927, 49.1509, 71.0842 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(195, 180, 215) }
```


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

```
.border{ border-color:rgb(195, 180, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 180, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 180, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 180, 215);  
box-shadow:4px 4px 4px 4px rgb(195, 180,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0927, 49.1509, 71.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 180, 215) }
```

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

```
.background{ background-color: rgb(195,  
180, 215) }
```

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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