

Converting Colors

XYZ(51.7816, 48.8341, 81.1920)

Have a look what the booklet for
XYZ(51.7816, 48.8341, 81.1920)
contains.

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Color

**XYZ(51.8889, 49.0297,
81.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB3E6
RGB	191, 179, 230
RGB Percent	75%, 70%, 90%
CMY	0.2510, 0.2980, 0.0980
CMYK	0.17, 0.22, 0.00, 0.10
HSL	254°, 50%, 80%
HSV	254°, 22%, 90%
XYZ	51.8889, 49.0297, 81.5918
YIQ	188.4020, -9.2190, 18.4050

Conversions

Conversions Part 2

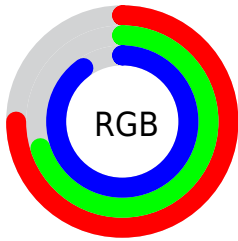
Format	Color
RYB	191, 179, 230
Decimal	12563430
CIELab	75.47, 14.38, -23.95
CIELCh	75, 27.939, 300.980
Yxy	49.0297, 0.2843, 0.2686
Android (android.graphics.Color)	4290753510 (0xFFBFB3E6)
YUV	188.4020, 20.5078, 2.2784
Hunter-Lab	70.0212, 9.7395, -20.0725

Details

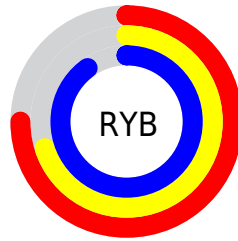
The XYZ color **51.8889, 49.0297, 81.5918** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.3485, 74.7549, 53.6349**, and the grayscale version is **47.9205, 50.4161, 54.9032**.

A 20% lighter version of the original color is **86.4697, 86.5931, 106.7644**, and **25.4174, 23.2961, 43.2013** is the 20% darker color. If you saturate the color by 10%, you get **43.4974, 38.4229, 79.9876**, and if you desaturate by 10%, it is **61.5835, 61.4520, 83.4794**.

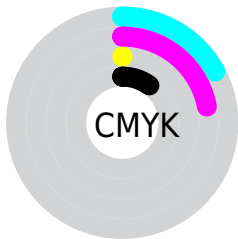
Distribution



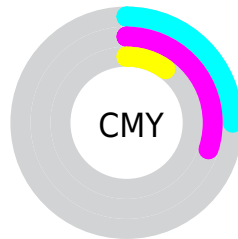
- Red (75%)
- Green (70%)
- Blue (90%)



- Red (75%)
- Yellow (70%)
- Blue (90%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (25%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8889, 49.0297, 81.5918 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 51.8889, 49.0297, 81.5918 by changing the saturation by 10% instead.

■ 51.8889, 49.0297,
81.5918

■ 51.8889, 49.0297,
81.5918

384.3386,
382.8592, 520.1288

■ 37.1404, 34.6430,
60.4953

■ 92.1426, 88.7356,
137.4330

■ 25.4904, 23.3880,
43.3901

118.3785,
114.8236, 173.0147

■ 16.5735, 14.8803,
29.8576

149.1743,
145.5808, 214.2619

■ 10.0243, 8.7354,
19.4794

184.8953,
181.3916, 261.5931

■ 5.4774, 4.5690,
11.8369

225.9068,
222.6405, 315.4268

■ 2.5676, 1.9967,
6.5115

272.5743,

■ 0.9295, 0.6055,

269.7118, 376.1817

3.0848

325.2631,
322.9899, 444.2761

■ 0.0000, 0.0000,
1.1381

■ 0.0000, 0.0000,
0.0000

■ 51.8889, 49.0297,
81.5918

■ 51.8889, 49.0297,
81.5918

■ 43.4974, 38.4229,
79.9876

■ 61.5835, 61.4520,
83.4794

■ 36.3476, 29.5398,
78.6498

■ 72.6299, 75.7638,
85.6596

■ 30.3798, 22.2893,
77.5648

■ 85.0798, 92.0424,
88.1455

■ 25.5274, 16.5697,
76.7166

■ 91.2831, 98.4932,
89.0637

■ 21.7169, 12.2675,
76.0870

■ 18.8653, 9.2527,
75.6554

■ 16.8751, 7.3706,
75.3970

■ 15.8105, 6.5007,
75.2852

Harmonies

Analogous

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



46.7708, 49.0297, 87.0749



51.8889, 49.0297, 81.5918



55.8122, 49.0297, 68.3659

Triad

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



51.8889, 49.0297, 81.5918



51.5744, 49.0297, 32.2198



37.3811, 49.0297, 53.8716

Complementary

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



51.8889, 49.0297, 81.5918



65.3485, 74.7549, 53.6349

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.



38.4640, 49.0297, 40.7700



51.8889, 49.0297, 81.5918



46.4321, 49.0297, 29.7449

Square

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



51.8889, 49.0297, 81.5918



55.6214, 49.0297, 40.0720



41.6856, 49.0297, 32.5675



38.6132, 49.0297, 69.3615

Rectangle

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



51.8889, 49.0297, 81.5918



57.0863, 49.0297, 57.9581



41.6856, 49.0297, 32.5675



37.4857, 49.0297, 49.0590

Sweetspot

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



51.8905, 49.0317, 81.5929



84.7728, 86.6376, 106.8625



57.9722, 65.4930, 84.4497



17.9639, 18.3096, 22.8373



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.



51.8905, 49.0317, 81.5929



60.0921, 55.0063, 102.0578



58.8418, 52.6153, 81.9182



13.8987, 14.0500, 18.1237



9.0409, 3.7267, 42.6260



0.7491, 0.3172, 3.1537

Inverse Universe

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



61.4096, 54.1271, 73.5425



74.3811, 62.6613, 89.6820



58.3255, 71.1345, 53.3062



14.8425, 14.5542, 17.3708



22.9548, 11.3161, 24.4548



1.7315, 0.8503, 1.9924

Previews

White Background



This preview shows how the XYZ color 51.8889, 49.0297, 81.5918 looks on a white background.

Color Contrast Check

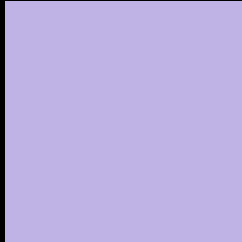
Large Text (above 18pt) WCAG AA × Fail

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 51.8889, 49.0297, 81.5918 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 51.8889, 49.0297, 81.5918

Background



This preview shows how black text looks on a background with the XYZ color 51.8889, 49.0297, 81.5918.



This preview shows how white text looks on a background with the XYZ color 51.8889, 49.0297,

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

51.8889, 49.0297, 81.5918

Protanopia

49.4473, 49.2202, 84.7362

Deuteranopia

50.1622, 49.0581, 80.9541



Tritanopia

47.9075, 49.2605, 61.0161

Trichromacy



Original Color

51.8889, 49.0297, 81.5918

Protanomaly

50.2583, 49.0424, 83.9080

Deuteranomaly

50.6743, 49.0192, 80.9196

Tritanomaly

49.3054, 49.2115, 67.8729

Monochromacy



Original Color

51.8889, 49.0297, 81.5918

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.1147, 49.8285, 63.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8889, 49.0297, 81.5918 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(191, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(191, 179, 230)  
}
```

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(191, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 179, 230) }
```

Border

The CSS property to change the border of an element to XYZ 51.8889, 49.0297, 81.5918 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(191, 179, 230) }
```


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

```
.border{ border-color:rgb(191, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 179, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 179, 230);  
box-shadow:4px 4px 4px 4px rgb(191, 179,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8889, 49.0297, 81.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 179, 230) }
```

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

```
.background{ background-color: rgb(191,  
179, 230) }
```

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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