

Converting Colors

XYZ(51.8173, 49.5943, 72.4850)

Have a look what the booklet for
XYZ(51.8173, 49.5943, 72.4850)
contains.

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Color

**XYZ(51.8716, 49.5226,
72.4705)**

Conversions

Conversions Part 1

Format	Color
Hex	C5B4D9
RGB	197, 180, 217
RGB Percent	77%, 71%, 85%
CMY	0.2274, 0.2941, 0.1490
CMYK	0.09, 0.17, 0.00, 0.15
HSL	268°, 33%, 78%
HSV	268°, 17%, 85%
XYZ	51.8716, 49.5226, 72.4705
YIQ	189.3010, -1.7450, 15.1110

Conversions

Conversions Part 2

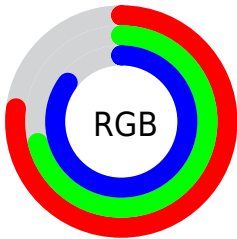
Format	Color
RYB	197, 180, 217
Decimal	12956889
CIELab	75.78, 13.02, -16.39
CIELCh	76, 20.930, 308.464
Yxy	49.5226, 0.2983, 0.2848
Android (android.graphics.Color)	4291146969 (0xFFC5B4D9)
YUV	189.3010, 13.6556, 6.7520
Hunter-Lab	70.3723, 8.4213, -11.7972

Details

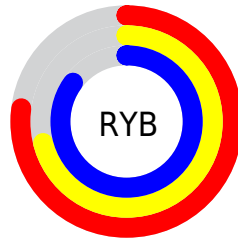
The XYZ color **51.8716, 49.5226, 72.4705** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.8722, 65.2016, 52.7701**, and the grayscale version is **48.4683, 50.9924, 55.5308**.

A 20% lighter version of the original color is **88.9185, 88.2817, 106.9613**, and **25.4387, 23.6270, 37.4021** is the 20% darker color. If you saturate the color by 10%, you get **44.8765, 39.9156, 70.9856**, and if you desaturate by 10%, it is **59.7946, 60.6286, 74.1974**.

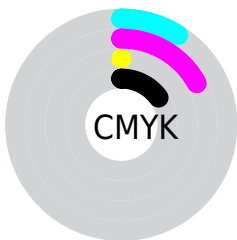
Distribution



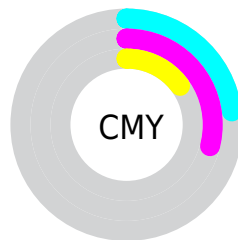
- Red (77%)
- Green (71%)
- Blue (85%)



- Red (77%)
- Yellow (71%)
- Blue (85%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (23%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8716, 49.5226, 72.4705 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 51.8716, 49.5226, 72.4705 by changing the saturation by 10% instead.

■ 51.8716, 49.5226,
72.4705

■ 51.8716, 49.5226,
72.4705

384.2728,
384.7961, 488.1991

■ 37.1266, 35.0342,
53.0539

■ 92.1172, 89.4671,
124.4392

■ 25.4796, 23.6892,
37.4578

118.3485,
115.6921, 157.8283

■ 16.5654, 15.1033,
25.2636

149.1393,
146.5980, 196.7121

■ 10.0185, 8.8919,
16.0527

184.8549,
182.5693, 241.5090

■ 5.4736, 4.6707,
9.4067

225.8607,
223.9904, 292.6377

■ 2.5653, 2.0554,
4.9070

272.5221,

■ 0.9283, 0.6394,

271.2456, 350.5165

2.1350

325.2043,
324.7193, 415.5641

■ 0.0000, 0.0000,
0.6365

■ 0.0000, 0.0000,
0.0000

■ 51.8716, 49.5226,
72.4705

■ 51.8716, 49.5226,
72.4705

■ 44.8765, 39.9156,
70.9856

■ 59.7946, 60.6286,
74.1974

■ 38.7675, 31.7348,
69.7285

■ 68.6759, 73.2896,
76.1731

■ 33.5061, 24.9110,
68.6887

■ 78.5501, 87.5662,
78.4083

■ 29.0492, 19.3660,
67.8533

■ 85.5662, 95.7492,
79.6180

■ 25.3491, 15.0138,
67.2083

■ 89.5245, 97.7898,
79.8033

■ 22.3525, 11.7571,
66.7376

■ 19.9978, 9.4825,
66.4227

■ 18.2057, 8.0418,
66.2390

■ 17.7466, 7.7019,
66.1976

Harmonies

Analogous

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



48.1780, 49.5226, 77.9752



51.8716, 49.5226, 72.4705



54.3670, 49.5226, 62.1637

Triad

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



51.8716, 49.5226, 72.4705



49.8659, 49.5226, 36.3670



40.0599, 49.5226, 57.1328

Complementary

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



51.8716, 49.5226, 72.4705



56.8722, 65.2016, 52.7701

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.



40.4566, 49.5226, 46.4424



51.8716, 49.5226, 72.4705



45.9786, 49.5226, 35.4060

Square

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



51.8716, 49.5226, 72.4705



53.1654, 49.5226, 41.6774



42.5738, 49.5226, 38.8432



41.4588, 49.5226, 68.3561

Rectangle

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



51.8716, 49.5226, 72.4705



54.9402, 49.5226, 54.4973



42.5738, 49.5226, 38.8432



39.9893, 49.5226, 53.3502

Sweetspot

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



51.8731, 49.5247, 72.4716



88.6262, 90.8493, 107.4723



52.0840, 56.1857, 73.7462



18.7825, 19.1802, 22.9621



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.



51.8731, 49.5247, 72.4716



71.4575, 66.8068, 103.7365



56.9155, 52.1241, 72.7076



12.9043, 12.9088, 16.4636



10.8616, 4.7236, 40.0777



0.8023, 0.3569, 2.6010

Inverse Universe

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



55.3635, 51.5665, 61.6812



77.3372, 70.2475, 85.5064



52.3088, 62.8491, 52.5565



13.3489, 13.1687, 15.0986



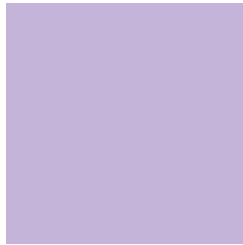
19.3307, 9.7333, 11.3873



1.2957, 0.6479, 0.9659

Previews

White Background



This preview shows how the XYZ color 51.8716, 49.5226, 72.4705 looks on a white background.

Color Contrast Check

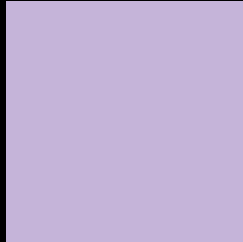
Large Text (above 18pt) WCAG AA × Fail

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 51.8716, 49.5226, 72.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

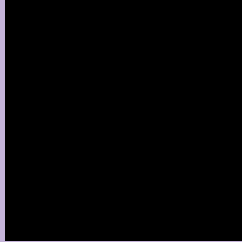
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8716, 49.5226, 72.4705

Background



This preview shows how black text looks on a background with the XYZ color 51.8716, 49.5226, 72.4705.



This preview shows how white text looks on a background with the XYZ color 51.8716, 49.5226,

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

51.8716, 49.5226, 72.4705

Protanopia

49.0896, 49.5685, 74.6905

Deuteranopia

50.7382, 49.5420, 72.5340



Tritanopia

49.3747, 49.4135, 60.3615

Trichromacy



Original Color

51.8716, 49.5226, 72.4705

Protanomaly

49.9694, 49.4205, 73.9233

Deuteranomaly

51.0406, 49.3950, 72.4897

Tritanomaly

50.2531, 49.4658, 64.6568

Monochromacy



Original Color

51.8716, 49.5226, 72.4705

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.6059, 50.4478, 61.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8716, 49.5226, 72.4705 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, 180, 217)` looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 217)  
}
```

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, 180, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 217) }
```

Border

The CSS property to change the border of an element to XYZ 51.8716, 49.5226, 72.4705 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, 180, 217) }
```


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

```
.border{ border-color:rgb(197, 180, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 180, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 217);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8716, 49.5226, 72.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 217) }
```

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

```
.background{ background-color: rgb(197,  
180, 217) }
```

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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