

Converting Colors

XYZ(51.8209, 36.5237, 79.1814)

Have a look what the booklet for
XYZ(51.8209, 36.5237, 79.1814)
contains.

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Color

**XYZ(51.8209, 36.5237,
79.1814)**

Conversions

Conversions Part 1

Format	Color
Hex	DD80E6
RGB	221, 128, 230
RGB Percent	87%, 50%, 90%
CMY	0.1333, 0.4980, 0.0980
CMYK	0.04, 0.44, 0.00, 0.10
HSL	295°, 67%, 70%
HSV	295°, 44%, 90%
XYZ	51.8209, 36.5237, 79.1814
YIQ	167.4350, 22.6860, 51.4380

Conversions

Conversions Part 2

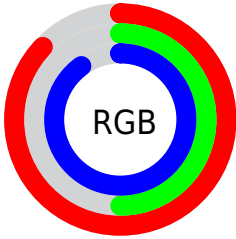
Format	Color
R _Y B	221, 128, 230
Decimal	14516454
CIE Lab	66.92, 51.06, -36.89
CIE LCh	67, 62.995, 324.154
Yxy	36.5237, 0.3093, 0.2180
Android (android.graphics.Color)	4292706534 (0xFFDD80E6)
YUV	167.4350, 30.8445, 46.9765
Hunter-Lab	60.4348, 47.2969, -35.3770

Details

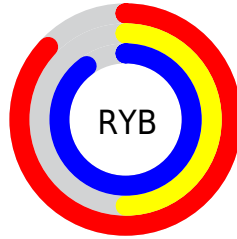
The XYZ color **51.8209, 36.5237, 79.1814** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.5108, 63.4714, 30.4345**, and the grayscale version is **36.7903, 38.7063, 42.1511**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **25.4659, 15.9807, 41.7868** is the 20% darker color. If you saturate the color by 10%, you get **48.5402, 30.8732, 78.2642**, and if you desaturate by 10%, it is **55.7914, 43.5410, 80.3271**.

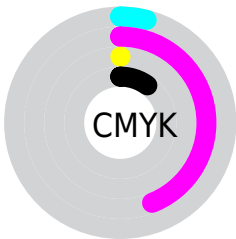
Distribution



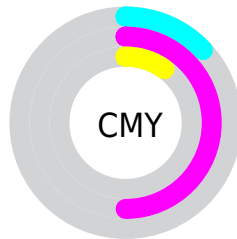
- Red (87%)
- Green (50%)
- Blue (90%)



- Red (87%)
- Yellow (50%)
- Blue (90%)



- Cyan (4%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)





- Cyan (13%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8209, 36.5237, 79.1814 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 51.8209, 36.5237, 79.1814 by changing the saturation by 10% instead.

 51.8209, 36.5237,
79.1814


 51.8209, 36.5237,
79.1814

384.0801,
331.2438, 511.8036

 37.0860, 24.8389,
58.5228

 92.0428, 69.8396,
134.0152

 25.4481, 15.9571,
41.8116

 118.2606, 92.2396,
169.0274

 16.5417, 9.4938,
28.6293


 149.0368,
118.9800, 209.6613

 10.0016, 5.0646,
18.5574

184.7366,
150.4454, 256.3353

 5.4623, 2.2852,
11.1774

225.7255,
187.0200, 309.4680

 2.5585, 0.7659,
6.0706

272.3688,

 0.9248, 0.0000,

229.0884, 369.4779

2.8186

325.0319,
277.0348, 436.7836

■ 0.0000, 0.0000,
1.0028

■ 0.0000, 0.0000,
0.0000

■ 51.8209, 36.5237,
79.1814

■ 51.8209, 36.5237,
79.1814

■ 48.5402, 30.8732,
78.2642

■ 55.7914, 43.5410,
80.3271

■ 45.8990, 26.4915,
77.5576


■ 60.4902, 52.0046,
81.7131


■ 43.8463, 23.2757,
77.0451


■ 65.9573, 61.9936,
83.3531


■ 42.3211, 21.1041,
76.7063


■ 72.2287, 73.5800,
85.2589


 41.2495, 19.8287,
76.5166


 79.3381, 86.8312,
87.4420

 40.7782, 19.3720,
76.4533

 83.7052, 94.5867,
88.7087

 84.3723, 94.9306,
88.7400

 85.0469, 95.2784,
88.7715

 85.7293, 95.6301,
88.8035

Harmonies

Analogous

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



42.7804, 36.5237, 109.6066



51.8209, 36.5237, 79.1814



56.3641, 36.5237, 45.3670

Triad

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



51.8209, 36.5237, 79.1814



36.6182, 36.5237, 7.0459



20.5150, 36.5237, 65.3905

Complementary

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



51.8209, 36.5237, 79.1814



42.5108, 63.4714, 30.4345

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.



19.4688, 36.5237, 34.6499



51.8209, 36.5237, 79.1814



27.7324, 36.5237, 8.5016

Square

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



51.8209, 36.5237, 79.1814



46.6119, 36.5237, 10.5635



21.8601, 36.5237, 16.2431



25.0365, 36.5237, 99.4134

Rectangle

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



51.8209, 36.5237, 79.1814



55.7286, 36.5237, 28.2488



21.8601, 36.5237, 16.2431



19.7845, 36.5237, 54.0574

Sweetspot

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



51.8222, 36.5253, 79.1822



84.3036, 80.0924, 105.6238



32.3038, 28.5385, 78.6693



17.6916, 16.4945, 22.5013



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.



51.8222, 36.5253, 79.1822



61.7367, 39.6851, 99.0138



49.5605, 35.9457, 52.5855



14.8631, 14.5472, 18.1688



23.1395, 10.9947, 43.2858



1.7469, 0.8315, 3.2004

Inverse Universe

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



44.8688, 34.0690, 27.8796



52.0879, 36.3167, 26.0134



44.3428, 64.0408, 47.4634



14.4284, 14.3885, 15.1902



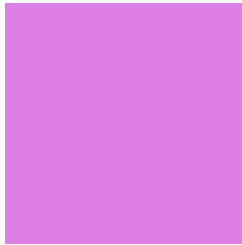
18.5667, 9.5609, 1.3473



1.3899, 0.7137, 0.1937

Previews

White Background



This preview shows how the XYZ color 51.8209, 36.5237, 79.1814 looks on a white background.

Color Contrast Check

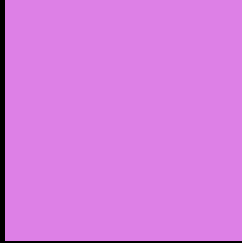
Large Text (above 18pt) WCAG AA × Fail

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 51.8209, 36.5237, 79.1814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

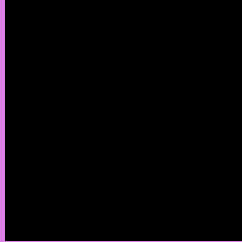
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8209, 36.5237, 79.1814

Background



This preview shows how black text looks on a background with the XYZ color 51.8209, 36.5237, 79.1814.



This preview shows how white text looks on a background with the XYZ color 51.8209, 36.5237,

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

51.8209, 36.5237, 79.1814

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

37.7010, 36.8008, 75.6372



Tritanopia

42.9901, 36.5000, 36.2319

Trichromacy



Original Color

51.8209, 36.5237, 79.1814



Protanomaly

42.1247, 35.5150, 91.8236



Deuteranomaly

41.4882, 35.7565, 76.6665



Tritanomaly

45.8042, 36.3312, 49.3982

Monochromacy



Original Color

51.8209, 36.5237, 79.1814



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

41.1790, 37.0650, 53.6991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8209, 36.5237, 79.1814 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(221, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 128, 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(221, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 128, 230) }
```

Border

The CSS property to change the border of an element to XYZ 51.8209, 36.5237, 79.1814 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(221, 128, 230) }
```


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

```
.border{ border-color:rgb(221, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 128,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8209, 36.5237, 79.1814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 128, 230) }
```

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

```
.background{ background-color: rgb(221,  
128, 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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