

Converting Colors

XYZ(50.1455, 48.9174, 86.9198)

Have a look what the booklet for
XYZ(50.1455, 48.9174, 86.9198)
contains.

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Color

**XYZ(50.1455, 48.9174,
86.9198)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B6ED
RGB	177, 182, 237
RGB Percent	69%, 71%, 93%
CMY	0.3059, 0.2863, 0.0706
CMYK	0.25, 0.23, 0.00, 0.07
HSL	235°, 63%, 81%
HSV	235°, 25%, 93%
XYZ	50.1455, 48.9174, 86.9198
YIQ	186.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

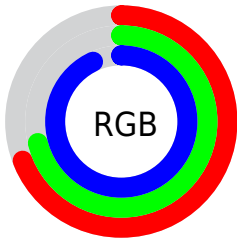
Format	Color
RYB	177, 182, 237
Decimal	11646701
CIELab	75.40, 10.05, -27.94
CIElCh	75, 29.698, 289.786
Yxy	48.9174, 0.2696, 0.2630
Android (android.graphics.Color)	4289836781 (0xFFB1B6ED)
YUV	186.7750, 24.7609, -8.5727
Hunter-Lab	69.9410, 5.5822, -24.7245

Details

The XYZ color **50.1455, 48.9174, 86.9198** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.7183, 78.8927, 53.0445**, and the grayscale version is **46.9819, 49.4286, 53.8278**.

A 20% lighter version of the original color is **82.2288, 85.6927, 106.8142**, and **24.3591, 23.2477, 46.9194** is the 20% darker color. If you saturate the color by 10%, you get **41.0996, 38.1547, 85.3200**, and if you desaturate by 10%, it is **60.8223, 61.5477, 88.7958**.

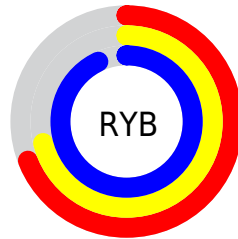
Distribution



Red (69%)

Green (71%)

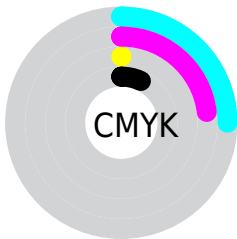
Blue (93%)



Red (69%)

Yellow (71%)

Blue (93%)

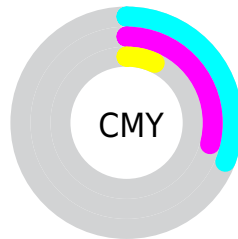


Cyan (25%)

Magenta (23%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (29%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1455, 48.9174, 86.9198 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 50.1455, 48.9174, 86.9198 by changing the saturation by 10% instead.

■ 50.1455, 48.9174,
86.9198

■ 50.1455, 48.9174,
86.9198

377.6773,
382.4171, 538.2687

■ 35.7473, 34.5540,
64.8696

■ 89.5809, 88.5688,
144.9502

■ 24.4083, 23.3195,
46.9047

115.3489,
114.6255, 181.7675

■ 15.7631, 14.8296,
32.6065

145.6375,
145.3487, 224.3443

■ 9.4465, 8.6999,
21.5565

180.8121,
181.1229, 273.0990

■ 5.0930, 4.5459,
13.3362

221.2380,
222.3325, 328.4503

■ 2.3372, 1.9834,
7.5270

267.2806,

■ 0.8136, 0.5978,

269.3617, 390.8166

3.7104

319.3052,
322.5951, 460.6166

■ 0.0000, 0.0000,
1.4679

■ 0.0000, 0.0000,
0.1938

■ 50.1455, 48.9174,
86.9198

■ 50.1455, 48.9174,
86.9198

■ 41.0996, 38.1547,
85.3200

■ 60.8223, 61.5477,
88.7958

■ 33.5995, 29.1653,
83.9802

■ 73.1998, 76.1222,
90.9566

■ 27.5599, 21.8555,
82.8875

■ 87.3496, 92.7204,
93.4146

■ 22.8852, 16.1206,
82.0270

■ 92.2862, 98.8945,
94.3461

■ 19.4681, 11.8443,
81.3817

■ 17.1853, 8.8936,
80.9325

■ 15.8881, 7.1113,
80.6568

■ 15.5320, 6.6061,
80.5781

Harmonies

Analogous

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



44.6549, 48.9174, 88.7352



50.1455, 48.9174, 86.9198



54.9951, 48.9174, 75.1665

Triad

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



50.1455, 48.9174, 86.9198



53.6189, 48.9174, 33.4176



36.8952, 48.9174, 48.0996

Complementary

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



50.1455, 48.9174, 86.9198



71.7183, 78.8927, 53.0445

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.



38.9184, 48.9174, 36.0902



50.1455, 48.9174, 86.9198



48.3840, 48.9174, 28.7835

Square

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



50.1455, 48.9174, 86.9198



57.1068, 48.9174, 43.7054



43.0252, 48.9174, 29.6551



37.2858, 48.9174, 64.1207

Rectangle

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



50.1455, 48.9174, 86.9198



57.0761, 48.9174, 64.3597



43.0252, 48.9174, 29.6551



37.3090, 48.9174, 43.5208

Sweetspot

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



50.1471, 48.9194, 86.9209



82.2610, 84.9781, 106.6745



62.8407, 75.6861, 86.8991



17.1247, 17.6209, 22.7486



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.



50.1471, 48.9194, 86.9209



53.8480, 51.3902, 101.6889



55.0970, 49.9778, 86.8643



14.3321, 14.7506, 19.0140



8.5177, 3.6824, 44.0048



0.7038, 0.3590, 3.4671

Inverse Universe

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



59.0920, 52.8278, 51.3402



66.0039, 56.7977, 53.3145



65.6617, 77.8899, 53.1701



15.1164, 15.0744, 15.8984



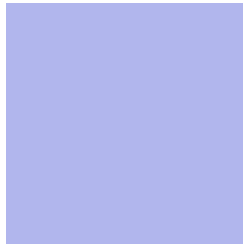
19.1546, 9.8645, 1.3498



1.5217, 0.7817, 0.1988

Previews

White Background



This preview shows how the XYZ color 50.1455, 48.9174, 86.9198 looks on a white background.

Color Contrast Check

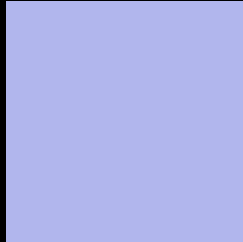
Large Text (above 18pt) WCAG AA × Fail

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 50.1455, 48.9174, 86.9198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

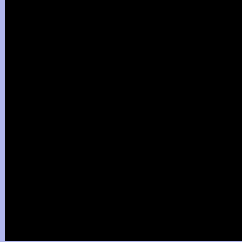
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1455, 48.9174, 86.9198

Background



This preview shows how black text looks on a background with the XYZ color 50.1455, 48.9174, 86.9198.



This preview shows how white text looks on a background with the XYZ color 50.1455, 48.9174,

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

50.1455, 48.9174, 86.9198

Protanopia

49.1607, 48.6979, 87.6975

Deuteranopia

50.1455, 48.9174, 86.9198



Tritanopia

45.3403, 48.8243, 63.5343

Trichromacy



Original Color

50.1455, 48.9174, 86.9198

Protanomaly

49.5997, 48.9243, 87.7181

Deuteranomaly

50.1455, 48.9174, 86.9198

Tritanomaly

47.0582, 48.9083, 71.2500

Monochromacy



Original Color

50.1455, 48.9174, 86.9198

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.8968, 49.1730, 64.7245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1455, 48.9174, 86.9198 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(177, 182, 237)` looks like.

```
.text, #text, p{  
    color:rgb(177, 182, 237)  
}
```

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(177, 182, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 182, 237) }
```

Border

The CSS property to change the border of an element to XYZ 50.1455, 48.9174, 86.9198 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(177, 182, 237) }
```


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

```
.border{ border-color:rgb(177, 182, 237) }
```

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

Here you see how a box with a 4 pixel rgb(177, 182, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 182, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 182, 237);  
box-shadow:4px 4px 4px 4px rgb(177, 182,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1455, 48.9174, 86.9198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 182, 237) }
```

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

```
.background{ background-color: rgb(177,  
182, 237) }
```

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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