

Converting Colors

XYZ(50.5824, 48.5049, 80.5168)

Have a look what the booklet for
XYZ(50.5824, 48.5049, 80.5168)
contains.

XYZ(50.5127, 48.3364, 80.7963)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.5127, 48.3364,
80.7963)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB3E5
RGB	186, 179, 229
RGB Percent	73%, 70%, 90%
CMY	0.2706, 0.2980, 0.1020
CMYK	0.19, 0.22, 0.00, 0.10
HSL	248°, 49%, 80%
HSV	248°, 22%, 90%
XYZ	50.5127, 48.3364, 80.7963
YIQ	186.7930, -11.8780, 17.0340

Conversions

Conversions Part 2

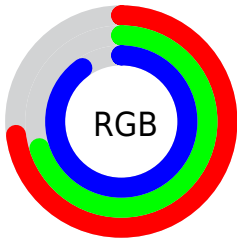
Format	Color
R _Y B	186, 179, 229
Decimal	12235749
CIE Lab	75.04, 12.60, -24.11
CIE LCh	75, 27.203, 297.600
Yxy	48.3364, 0.2812, 0.2691
Android (android.graphics.Color)	4290425829 (0xFFBAB3E5)
YUV	186.7930, 20.8081, -0.6955
Hunter-Lab	69.5244, 8.0209, -20.2356

Details

The XYZ color **50.5127, 48.3364, 80.7963** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.2815, 74.8240, 53.5989**, and the grayscale version is **47.0100, 49.4582, 53.8600**.

A 20% lighter version of the original color is **84.7205, 85.6913, 106.6826**, and **24.5194, 22.8444, 42.6523** is the 20% darker color. If you saturate the color by 10%, you get **41.8395, 37.6093, 79.1837**, and if you desaturate by 10%, it is **60.6106, 60.9317, 82.6960**.

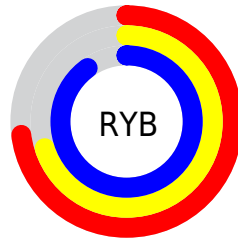
Distribution



Red (73%)

Green (70%)

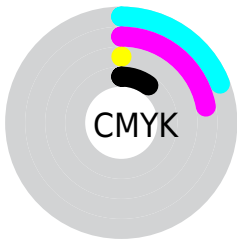
Blue (90%)



Red (73%)

Yellow (70%)

Blue (90%)

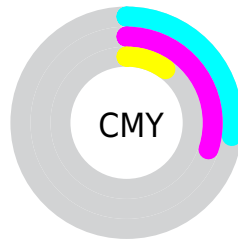


Cyan (19%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (27%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5127, 48.3364, 80.7963 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 50.5127, 48.3364, 80.7963 by changing the saturation by 10% instead.

■ 50.5127, 48.3364,
80.7963

■ 50.5127, 48.3364,
80.7963

379.0865,
380.1240, 517.3897

■ 36.0404, 34.0934,
59.8438

■ 90.1213, 87.7051,
136.3062

■ 24.6357, 22.9653,
42.8683

115.9884,
113.5995, 171.7007

■ 15.9331, 14.5679,
29.4512

146.3844,
144.1465, 212.7463

■ 9.5674, 8.5167,
19.1739

181.6748,
179.7304, 259.8616

■ 5.1731, 4.4273,
11.6179

222.2248,
220.7358, 313.4650

■ 2.3850, 1.9154,
6.3647

268.3998,

■ 0.8376, 0.5576,

267.5469, 373.9751

2.9957

320.5653,
320.5482, 441.8105

■ 0.0000, 0.0000,
1.0925

■ 0.0000, 0.0000,
0.0000

■ 50.5127, 48.3364,
80.7963

■ 50.5127, 48.3364,
80.7963

■ 41.8395, 37.6093,
79.1837

■ 60.6106, 60.9317,
82.6960

■ 34.5219, 28.6555,
77.8411

■ 72.1888, 75.4723,
84.8924

■ 28.4922, 21.3805,
76.7547

■ 85.3057, 92.0382,
87.3986

■ 23.6745, 15.6789,
75.9081

■ 91.1430, 98.4372,
88.3261

■ 19.9851, 11.4329,
75.2830

■ 17.3295, 8.5082,
74.8584

■ 15.5965, 6.7448,
74.6094

■ 14.7404, 5.9652,
74.5040

Harmonies

Analogous

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



45.5433, 48.3364, 84.9784



50.5127, 48.3364, 80.7963



54.4912, 48.3364, 68.6969

Triad

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



50.5127, 48.3364, 80.7963



51.2547, 48.3364, 32.7416



37.0417, 48.3364, 51.4923

Complementary

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



50.5127, 48.3364, 80.7963



66.2815, 74.8240, 53.5989

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.



38.3378, 48.3364, 39.2868



50.5127, 48.3364, 80.7963



46.3437, 48.3364, 29.7506

Square

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



50.5127, 48.3364, 80.7963



54.9408, 48.3364, 40.9431



41.6562, 48.3364, 31.9134



37.9842, 48.3364, 66.3531

Rectangle

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



50.5127, 48.3364, 80.7963



55.9205, 48.3364, 58.7279



41.6562, 48.3364, 31.9134



37.2279, 48.3364, 46.9698

Sweetspot

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



50.5142, 48.3384, 80.7974



84.1937, 86.3391, 106.8354



58.9446, 67.6619, 84.0829



17.8302, 18.2407, 22.8310



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.



50.5142, 48.3384, 80.7974



59.4669, 55.4895, 102.1840



57.0330, 51.6989, 81.1025



13.7696, 13.9834, 18.1177



8.4868, 3.4410, 42.6000



0.6869, 0.2851, 3.1508

Inverse Universe

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



61.6194, 54.1740, 76.3177



75.9646, 64.1628, 95.3436



59.2708, 71.2098, 53.2708



14.9038, 14.5787, 17.6937



24.2672, 11.8411, 31.3659



1.8172, 0.8846, 2.4441

Previews

White Background



This preview shows how the XYZ color 50.5127, 48.3364, 80.7963 looks on a white background.

Color Contrast Check

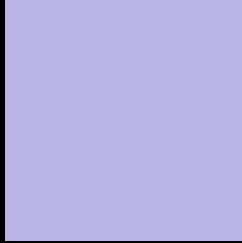
Large Text (above 18pt) WCAG AA × Fail

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 50.5127, 48.3364, 80.7963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

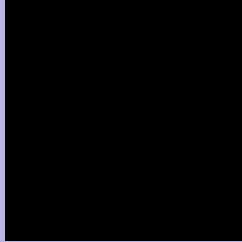
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5127, 48.3364, 80.7963

Background



This preview shows how black text looks on a background with the XYZ color 50.5127, 48.3364, 80.7963.



This preview shows how white text looks on a background with the XYZ color 50.5127, 48.3364,

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

50.5127, 48.3364, 80.7963

Protanopia

48.7326, 48.5774, 83.1518

Deuteranopia

49.4891, 48.4082, 80.8641



Tritanopia

46.5053, 48.2283, 60.8907

Trichromacy



Original Color

50.5127, 48.3364, 80.7963

Protanomaly

49.5119, 48.6904, 82.3899

Deuteranomaly

49.7555, 48.2447, 80.8185

Tritanomaly

47.8892, 48.1763, 67.7477

Monochromacy



Original Color

50.5127, 48.3364, 80.7963

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2947, 49.1100, 62.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5127, 48.3364, 80.7963 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(186, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(186, 179, 229)  
}
```

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(186, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 179, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.5127, 48.3364, 80.7963 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(186, 179, 229) }
```


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

```
.border{ border-color:rgb(186, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(186, 179,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5127, 48.3364, 80.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 179, 229) }
```

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

```
.background{ background-color: rgb(186,  
179, 229) }
```

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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