

Converting Colors

XYZ(47.8809, 45.2214, 84.5848)

Have a look what the booklet for
XYZ(47.8809, 45.2214, 84.5848)
contains.

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Color

**XYZ(47.8435, 45.1154,
84.7838)**

Conversions

Conversions Part 1

Format	Color
Hex	B0ADEB
RGB	176, 173, 235
RGB Percent	69%, 68%, 92%
CMY	0.3098, 0.3216, 0.0784
CMYK	0.25, 0.26, 0.00, 0.08
HSL	243°, 61%, 80%
HSV	243°, 26%, 92%
XYZ	47.8435, 45.1154, 84.7838
YIQ	180.9650, -18.1140, 19.9180

Conversions

Conversions Part 2

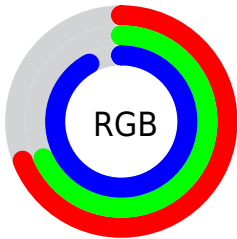
Format	Color
RYB	176, 173, 235
Decimal	11578859
CIELab	72.97, 14.26, -30.61
CIELCh	73, 33.763, 294.977
Yxy	45.1154, 0.2692, 0.2538
Android (android.graphics.Color)	4289768939 (0xFFB0ADEB)
YUV	180.9650, 26.6393, -4.3543
Hunter-Lab	67.1680, 9.6008, -27.8221

Details

The XYZ color **47.8435, 45.1154, 84.7838** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.5310, 79.5906, 51.1821**, and the grayscale version is **43.7709, 46.0504, 50.1489**.

A 20% lighter version of the original color is **79.0721, 79.8626, 105.8552**, and **23.0001, 21.0670, 45.5019** is the 20% darker color. If you saturate the color by 10%, you get **39.0808, 34.4875, 83.1950**, and if you desaturate by 10%, it is **58.2346, 57.7613, 86.6778**.

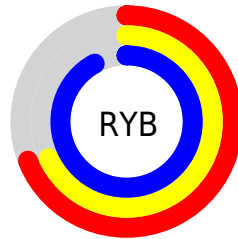
Distribution



Red (69%)

Green (68%)

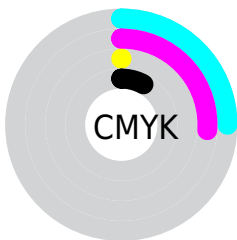
Blue (92%)



Red (69%)

Yellow (68%)

Blue (92%)

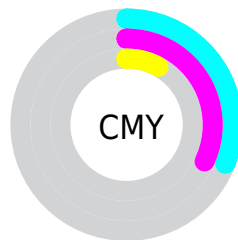


Cyan (25%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (31%)

Magenta (32%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8435, 45.1154, 84.7838 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 47.8435, 45.1154, 84.7838 by changing the saturation by 10% instead.

■ 47.8435, 45.1154,
84.7838

■ 47.8435, 45.1154,
84.7838

368.7644,
367.2407, 531.0383

■ 33.9137, 31.5483,
63.1136

■ 86.1825, 82.8936,
141.9426

■ 22.9899, 21.0167,
45.4916

111.3223,
107.8734, 178.2682

■ 14.7067, 13.1362,
31.4990

140.9296,
137.4264, 220.3161

■ 8.6988, 7.5224,
20.7175

175.3696,
171.9368, 268.5048

■ 4.6008, 3.7909,
12.7284

215.0077,
211.7890, 323.2529

■ 2.0473, 1.5573,
7.1133

260.2094,

■ 0.6603, 0.3286,

257.3675, 384.9788

3.4535

311.3398,
309.0566, 454.1011

■ 0.0000, 0.0000,
1.3306

■ 0.0000, 0.0000,
0.0867

■ 47.8435, 45.1154,
84.7838

■ 47.8435, 45.1154,
84.7838

■ 39.0808, 34.4875,
83.1950

■ 58.2346, 57.7613,
86.6778

■ 31.8598, 25.7682,
81.8926

■ 70.3262, 72.5163,
88.8885

■ 26.0926, 18.8459,
80.8604

■ 84.1912, 89.4726,
91.4306

■ 21.6804, 13.5953,
80.0795

■ 91.9955, 98.7782,
92.8155

■ 18.5123, 9.8749,
79.5284

■ 16.4598, 7.5199,
79.1820

■ 15.3655, 6.3259,
79.0092

■ 15.1385, 6.0719,
78.9722

Harmonies

Analogous

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



41.8969, 45.1154, 89.0390



47.8435, 45.1154, 84.7838



52.8411, 45.1154, 70.1895

Triad

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



47.8435, 45.1154, 84.7838



49.7149, 45.1154, 27.0596



32.5587, 45.1154, 46.3376

Complementary

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



47.8435, 45.1154, 84.7838



70.5310, 79.5906, 51.1821

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.



34.2582, 45.1154, 32.7597



47.8435, 45.1154, 84.7838



43.8801, 45.1154, 23.3773

Square

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



47.8435, 45.1154, 84.7838



53.9890, 45.1154, 36.6595



38.2738, 45.1154, 25.1958



33.4115, 45.1154, 64.1327

Rectangle

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



47.8435, 45.1154, 84.7838



54.7766, 45.1154, 58.0196



38.2738, 45.1154, 25.1958



32.8455, 45.1154, 41.1858

Sweetspot

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



47.8450, 45.1172, 84.7848



82.0990, 84.1701, 106.5271



61.3503, 73.1236, 89.4788



17.0843, 17.4197, 22.7118



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.



47.8450, 45.1172, 84.7848



51.2812, 46.6488, 100.9090



55.4125, 49.0184, 85.1390



14.2986, 14.5837, 18.9836



8.4553, 3.3948, 43.9526



0.6878, 0.2789, 3.4524

Inverse Universe

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



63.7713, 53.3771, 83.2868



73.6812, 58.2691, 98.6735



61.5915, 74.9821, 50.7638



15.6815, 15.3005, 18.8741



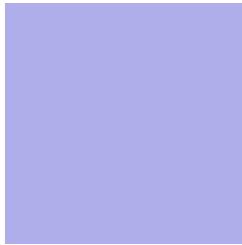
26.5421, 12.8195, 40.2517



2.0939, 1.0105, 3.2119

Previews

White Background



This preview shows how the XYZ color 47.8435, 45.1154, 84.7838 looks on a white background.

Color Contrast Check

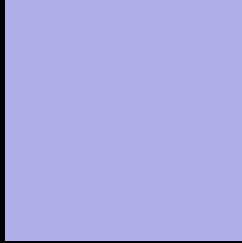
Large Text (above 18pt) WCAG AA × Fail

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 47.8435, 45.1154, 84.7838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

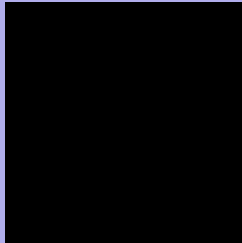
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8435, 45.1154, 84.7838

Background



This preview shows how black text looks on a background with the XYZ color 47.8435, 45.1154, 84.7838.



This preview shows how white text looks on a background with the XYZ color 47.8435, 45.1154,

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

47.8435, 45.1154, 84.7838

Protanopia

46.0550, 45.2987, 87.2051

Deuteranopia

46.1025, 45.0982, 84.1169



Tritanopia

42.5226, 45.3127, 58.1348

Trichromacy



Original Color

47.8435, 45.1154, 84.7838

Protanomaly

46.7477, 45.3806, 86.4162

Deuteranomaly

46.7588, 45.1465, 84.0916

Tritanomaly

44.3478, 45.1519, 67.3506

Monochromacy



Original Color

47.8435, 45.1154, 84.7838

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.0534, 45.6415, 61.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8435, 45.1154, 84.7838 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(176, 173, 235)` looks like.

```
.text, #text, p{  
    color:rgb(176, 173, 235)  
}
```

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(176, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 173, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.8435, 45.1154, 84.7838 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(176, 173, 235) }
```


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

```
.border{ border-color:rgb(176, 173, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 173, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(176, 173,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8435, 45.1154, 84.7838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 173, 235) }
```

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

```
.background{ background-color: rgb(176,  
173, 235) }
```

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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