

Converting Colors

XYZ(48.5634, 47.0189, 81.3789)

Have a look what the booklet for
XYZ(48.5634, 47.0189, 81.3789)
contains.

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Color

**XYZ(48.5634, 47.0189,
81.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B2E6
RGB	178, 178, 230
RGB Percent	70%, 70%, 90%
CMY	0.3020, 0.3019, 0.0980
CMYK	0.23, 0.23, 0.00, 0.10
HSL	240°, 51%, 80%
HSV	240°, 23%, 90%
XYZ	48.5634, 47.0189, 81.3789
YIQ	183.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

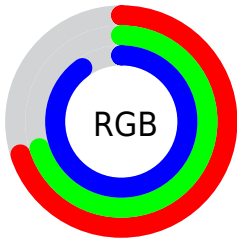
Format	Color
R_{YB}	178, 178, 230
Decimal	11711206
CIE _{Lab}	74.20, 10.92, -25.98
CIE _{LCh}	74, 28.184, 292.803
Yxy	47.0189, 0.2744, 0.2657
Android (android.graphics.Color)	4289901286 (0xFFB2B2E6)
YUV	183.9280, 22.7135, -5.1989
Hunter-Lab	68.5703, 6.4206, -22.3658

Details

The XYZ color **48.5634, 47.0189, 81.3789** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.9664, 76.6312, 53.2773**, and the grayscale version is **45.4066, 47.7713, 52.0230**.

A 20% lighter version of the original color is **81.4045, 83.5581, 106.4456**, and **23.2858, 22.0083, 43.0651** is the 20% darker color. If you saturate the color by 10%, you get **39.5232, 36.1261, 79.7536**, and if you desaturate by 10%, it is **59.2586, 59.9060, 83.3034**.

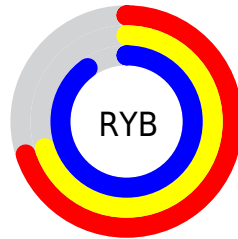
Distribution



Red (70%)

Green (70%)

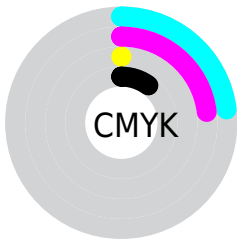
Blue (90%)



Red (70%)

Yellow (70%)

Blue (90%)

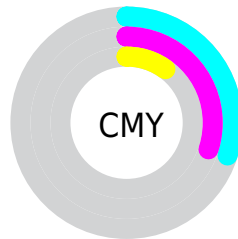


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (30%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5634, 47.0189, 81.3789 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 48.5634, 47.0189, 81.3789 by changing the saturation by 10% instead.

■ 48.5634, 47.0189,
81.3789

■ 48.5634, 47.0189,
81.3789

371.5665,
374.8900, 519.3966

■ 34.4864, 33.0506,
60.3209

■ 87.2473, 85.7418,
137.1315

■ 23.4321, 22.1652,
43.2503

112.5849,
111.2653, 172.6632

■ 15.0354, 13.9783,
29.7487

142.4067,
141.4092, 213.8565

■ 8.9307, 8.1056,
19.3975

177.0780,
176.5580, 261.1300

■ 4.7528, 4.1626,
11.7781

216.9644,
217.0961, 314.9022

■ 2.1362, 1.7649,
6.4721

262.4310,

■ 0.7088, 0.4652,

263.4078, 375.5917

3.0608

313.8432,
315.8777, 443.6170

■ 0.0000, 0.0000,
1.1258

■ 0.0000, 0.0000,
0.0000

■ 48.5634, 47.0189,
81.3789

■ 48.5634, 47.0189,
81.3789

■ 39.5232, 36.1261,
79.7536

■ 59.2586, 59.9060,
83.3034

■ 32.0510, 27.1227,
78.4096

■ 71.6809, 74.8739,
85.5378

■ 26.0592, 19.9029,
77.3319

■ 85.9034, 92.0110,
88.0960

■ 21.4492, 14.3482,
76.5027

■ 91.2831, 98.4932,
89.0637

■ 18.1109, 10.3257,
75.9022

■ 15.9172, 7.6824,
75.5076

■ 14.7148, 6.2335,
75.2913

■ 14.2831, 5.7133,
75.2137

Harmonies

Analogous

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



43.4835, 47.0189, 84.0722



48.5634, 47.0189, 81.3789



52.8871, 47.0189, 69.9336

Triad

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



48.5634, 47.0189, 81.3789



50.8268, 47.0189, 32.0711



35.7248, 47.0189, 47.7870

Complementary

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



48.5634, 47.0189, 81.3789



68.9664, 76.6312, 53.2773

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.



37.3870, 47.0189, 36.1448



48.5634, 47.0189, 81.3789



45.9188, 47.0189, 28.2488

Square

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



48.5634, 47.0189, 81.3789



54.2612, 47.0189, 41.1484



41.0283, 47.0189, 29.5852



36.3163, 47.0189, 62.7580

Rectangle

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



48.5634, 47.0189, 81.3789



54.6320, 47.0189, 59.8738



41.0283, 47.0189, 29.5852



36.0340, 47.0189, 43.3993

Sweetspot

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



48.5649, 47.0208, 81.3800



83.3529, 85.9058, 106.7961



60.8195, 71.7242, 84.8658



17.6363, 18.1408, 22.8219



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.



48.5649, 47.0208, 81.3800



55.9270, 52.8596, 101.8630



54.8694, 50.2706, 81.6750



13.5829, 13.8873, 18.1089



8.0862, 3.2346, 42.5813



0.5976, 0.2390, 3.1466

Inverse Universe

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



56.5906, 51.8795, 49.1525



67.7096, 59.9927, 54.5499



61.4738, 72.7691, 52.9267



14.3771, 14.3680, 14.9201



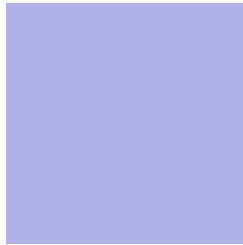
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 48.5634, 47.0189, 81.3789 looks on a white background.

Color Contrast Check

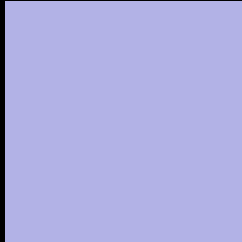
Large Text (above 18pt) WCAG AA × Fail

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 48.5634, 47.0189, 81.3789 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 48.5634, 47.0189, 81.3789

Background



This preview shows how black text looks on a background with the XYZ color 48.5634, 47.0189, 81.3789.



This preview shows how white text looks on a background with the XYZ color 48.5634, 47.0189,

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

48.5634, 47.0189, 81.3789

Protanopia

47.2489, 46.9037, 82.9070

Deuteranopia

48.0822, 47.0673, 81.4136



Tritanopia

44.3468, 47.1289, 60.1855

Trichromacy



Original Color

48.5634, 47.0189, 81.3789

Protanomaly

47.5572, 46.7804, 82.1243

Deuteranomaly

48.3075, 47.1835, 81.4242

Tritanomaly

45.8164, 47.1077, 67.6507

Monochromacy



Original Color

48.5634, 47.0189, 81.3789

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5620, 47.6180, 61.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5634, 47.0189, 81.3789 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(178, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 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(178, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 230) }
```

Border

The CSS property to change the border of an element to XYZ 48.5634, 47.0189, 81.3789 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(178, 178, 230) }
```


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

```
.border{ border-color:rgb(178, 178, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5634, 47.0189, 81.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 230) }
```

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

```
.background{ background-color: rgb(178,  
178, 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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