

Converting Colors

XYZ(48.4274, 46.5875, 78.5725)

Have a look what the booklet for
XYZ(48.4274, 46.5875, 78.5725)
contains.

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Color

**XYZ(48.5057, 46.7590,
78.4204)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B1E2
RGB	181, 177, 226
RGB Percent	71%, 69%, 89%
CMY	0.2902, 0.3059, 0.1137
CMYK	0.20, 0.22, 0.00, 0.11
HSL	245°, 46%, 79%
HSV	245°, 22%, 89%
XYZ	48.5057, 46.7590, 78.4204
YIQ	183.7820, -13.3450, 16.0870

Conversions

Conversions Part 2

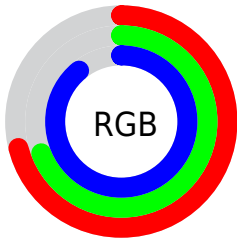
Format	Color
R_{YB}	181, 177, 226
Decimal	11907554
CIE _{Lab}	74.04, 11.48, -24.04
CIE _{LCh}	74, 26.643, 295.529
Yxy	46.7590, 0.2793, 0.2692
Android (android.graphics.Color)	4290097634 (0xFFB5B1E2)
YUV	183.7820, 20.8135, -2.4398
Hunter-Lab	68.3806, 6.9529, -20.1288

Details

The XYZ color **48.5057, 46.7590, 78.4204** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.2577, 73.0977, 52.2668**, and the grayscale version is **45.3351, 47.6960, 51.9410**.

A 20% lighter version of the original color is **82.1140, 83.5024, 106.3974**, and **23.3107, 21.8676, 41.5203** is the 20% darker color. If you saturate the color by 10%, you get **39.8966, 36.2348, 76.8435**, and if you desaturate by 10%, it is **58.5820, 59.1392, 80.2797**.

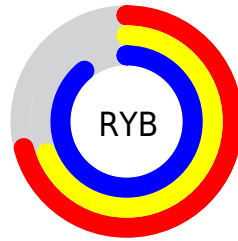
Distribution



Red (71%)

Green (69%)

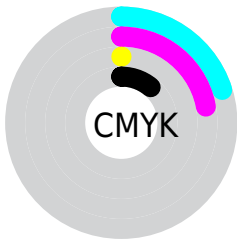
Blue (89%)



Red (71%)

Yellow (69%)

Blue (89%)

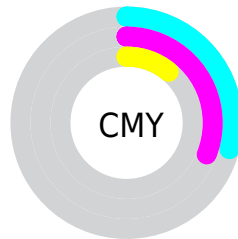


Cyan (20%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5057, 46.7590, 78.4204 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 48.5057, 46.7590, 78.4204 by changing the saturation by 10% instead.

■ 48.5057, 46.7590,
78.4204

■ 48.5057, 46.7590,
78.4204

371.3424,
373.8517, 509.1591

■ 34.4404, 32.8452,
57.9009

■ 87.1620, 85.3538,
132.9338

■ 23.3967, 22.0079,
41.3148

112.4838,
110.8035, 167.7649

■ 15.0090, 13.8627,
28.2436

142.2884,
140.8673, 208.2035

■ 8.9120, 8.0252,
18.2687

176.9413,
175.9297, 254.6682

■ 4.7405, 4.1111,
10.9717

216.8078,
216.3749, 307.5776

■ 2.1290, 1.7359,
5.9338

262.2533,

■ 0.7049, 0.4467,

262.5874, 367.3501

2.7368

313.6430,
314.9515, 434.4045

■ 0.0000, 0.0000,
0.9618

■ 0.0000, 0.0000,
0.0000

■ 48.5057, 46.7590,
78.4204

■ 48.5057, 46.7590,
78.4204

■ 39.8966, 36.2348,
76.8435

■ 58.5820, 59.1392,
80.2797

■ 32.6820, 27.4717,
75.5323

■ 70.1850, 73.4529,
82.4310

■ 26.7895, 20.3751,
74.4731

■ 83.3760, 89.7801,
84.8872

■ 22.1387, 14.8390,
73.6497

■ 90.7276, 98.2710,
86.1387

■ 18.6399, 10.7453,
73.0439

■ 16.1918, 7.9593,
72.6352

■ 14.6748, 6.3201,
72.3988

■ 13.9855, 5.6240,
72.3007

Harmonies

Analogous

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



43.7333, 46.7590, 81.7743



48.5057, 46.7590, 78.4204



52.4243, 46.7590, 67.2377

Triad

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



48.5057, 46.7590, 78.4204



49.8276, 46.7590, 32.2147



35.9279, 46.7590, 48.8963

Complementary

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



48.5057, 46.7590, 78.4204



65.2577, 73.0977, 52.2668

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.



37.3159, 46.7590, 37.4701



48.5057, 46.7590, 78.4204



45.1604, 46.7590, 28.9947

Square

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



48.5057, 46.7590, 78.4204



53.2250, 46.7590, 40.4300



40.6138, 46.7590, 30.7319



36.6845, 46.7590, 63.0665

Rectangle

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



48.5057, 46.7590, 78.4204



53.9082, 46.7590, 57.7483



40.6138, 46.7590, 30.7319



36.1562, 46.7590, 44.6388

Sweetspot

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



48.5072, 46.7609, 78.4215



83.8416, 86.1576, 106.8189



58.1768, 67.4723, 81.9095



17.7490, 18.1988, 22.8272



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.



48.5072, 46.7609, 78.4215



58.4598, 54.9703, 102.1369



54.5636, 49.8831, 78.7049



13.0552, 13.2965, 17.2661



8.0183, 3.2289, 41.2490



0.5923, 0.2427, 2.8609

Inverse Universe

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



60.2724, 52.8888, 76.1406



76.5640, 64.4026, 98.5005



58.4838, 69.6056, 51.9498



14.2442, 13.9153, 17.0563



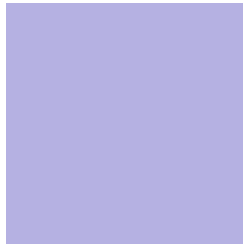
24.3784, 11.8184, 34.9879



1.7043, 0.8250, 2.5014

Previews

White Background



This preview shows how the XYZ color 48.5057, 46.7590, 78.4204 looks on a white background.

Color Contrast Check

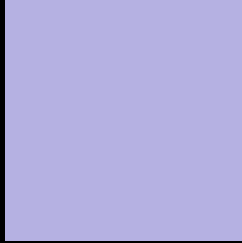
Large Text (above 18pt) WCAG AA × Fail

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 48.5057, 46.7590, 78.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

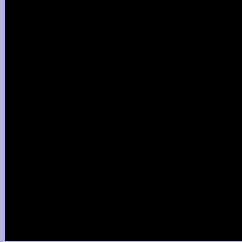
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5057, 46.7590, 78.4204

Background



This preview shows how black text looks on a background with the XYZ color 48.5057, 46.7590, 78.4204.



This preview shows how white text looks on a background with the XYZ color 48.5057, 46.7590,

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

48.5057, 46.7590, 78.4204

Protanopia

46.9024, 46.7900, 79.9581

Deuteranopia

47.7793, 46.6789, 78.4432



Tritanopia

44.7105, 46.7172, 59.4842

Trichromacy



Original Color

48.5057, 46.7590, 78.4204

Protanomaly

47.4408, 46.7849, 79.2030

Deuteranomaly

48.0080, 46.7968, 78.4539

Tritanomaly

46.0665, 46.6616, 66.2531

Monochromacy



Original Color

48.5057, 46.7590, 78.4204

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3611, 47.2385, 60.7073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5057, 46.7590, 78.4204 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(181, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 177, 226)  
}
```

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(181, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 177, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.5057, 46.7590, 78.4204 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(181, 177, 226) }
```


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

```
.border{ border-color:rgb(181, 177, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 177, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(181, 177,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5057, 46.7590, 78.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 177, 226) }
```

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

```
.background{ background-color: rgb(181,  
177, 226) }
```

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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