

Converting Colors

XYZ(46.9097, 45.3026, 78.6263)

Have a look what the booklet for
XYZ(46.9097, 45.3026, 78.6263)
contains.

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Color

**XYZ(47.0996, 45.4361,
78.9607)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AFE3
RGB	176, 175, 227
RGB Percent	69%, 69%, 89%
CMY	0.3098, 0.3137, 0.1098
CMYK	0.22, 0.23, 0.00, 0.11
HSL	241°, 48%, 79%
HSV	241°, 23%, 89%
XYZ	47.0996, 45.4361, 78.9607
YIQ	181.2270, -16.0960, 16.3840

Conversions

Conversions Part 2

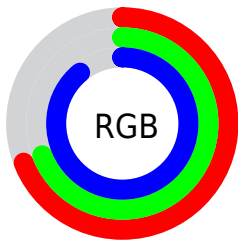
Format	Color
R_{YB}	176, 175, 227
Decimal	11579363
CIE _{Lab}	73.18, 11.28, -25.93
CIE _{LCh}	73, 28.277, 293.506
Yxy	45.4361, 0.2746, 0.2649
Android (android.graphics.Color)	4289769443 (0xFFB0AFE3)
YUV	181.2270, 22.5661, -4.5841
Hunter-Lab	67.4063, 6.7644, -22.2687

Details

The XYZ color **47.0996, 45.4361, 78.9607** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.5724, 74.2032, 51.3733**, and the grayscale version is **43.9329, 46.2208, 50.3345**.

A 20% lighter version of the original color is **79.6255, 80.9694, 106.0397**, and **22.6020, 21.3171, 41.4514** is the 20% darker color. If you saturate the color by 10%, you get **38.4196, 34.9457, 77.3941**, and if you desaturate by 10%, it is **57.3508, 57.8411, 80.8156**.

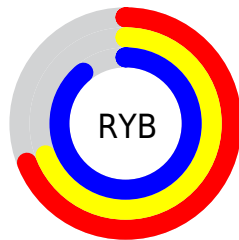
Distribution



Red (69%)

Green (69%)

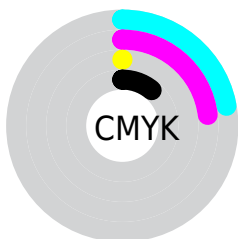
Blue (89%)



Red (69%)

Yellow (69%)

Blue (89%)

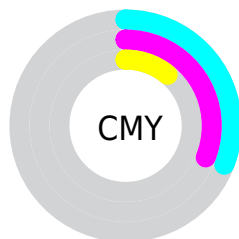


Cyan (22%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0996, 45.4361, 78.9607 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 47.0996, 45.4361, 78.9607 by changing the saturation by 10% instead.

■ 47.0996, 45.4361,
78.9607

■ 47.0996, 45.4361,
78.9607

365.8542,
368.5369, 511.0375

■ 33.3227, 31.8011,
58.3424

■ 85.0801, 83.3744,
133.7017

■ 22.5342, 21.2096,
41.6674

110.0144,
108.4465, 168.6614

■ 14.3687, 13.2773,
28.5174

139.3985,
138.0998, 209.2387

■ 8.4610, 7.6198,
18.4736

173.5979,
172.7185, 255.8521

■ 4.4456, 3.8526,
11.1176

212.9778,
212.6873, 308.9202

■ 1.9572, 1.5915,
6.0308

257.9035,

■ 0.6097, 0.3518,

258.3903, 368.8614

2.7947

308.7406,
310.2120, 436.0943

■ 0.0000, 0.0000,
0.9908

■ 0.0000, 0.0000,
0.0000

■ 47.0996, 45.4361,
78.9607

■ 47.0996, 45.4361,
78.9607

■ 38.4196, 34.9457,
77.3941

■ 57.3508, 57.8411,
80.8156

■ 31.2290, 26.2694,
76.0984

■ 69.2407, 72.2434,
82.9688

■ 25.4455, 19.3060,
75.0591

■ 82.8384, 88.7278,
85.4340

■ 20.9769, 13.9420,
74.2593

■ 90.8653, 98.3261,
86.8636

■ 17.7200, 10.0506,
73.6798

■ 15.5564, 7.4854,
73.2987

■ 14.3437, 6.0701,
73.0895

■ 13.9199, 5.5742,
73.0161

Harmonies

Analogous

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



42.1168, 45.4361, 81.8496



47.0996, 45.4361, 78.9607



51.3096, 45.4361, 67.5457

Triad

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



47.0996, 45.4361, 78.9607



49.1054, 45.4361, 30.6134



34.3914, 45.4361, 46.4491

Complementary

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



47.0996, 45.4361, 78.9607



66.5724, 74.2032, 51.3733

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.



35.9679, 45.4361, 34.9497



47.0996, 45.4361, 78.9607



44.2725, 45.4361, 27.0060

Square

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



47.0996, 45.4361, 78.9607



52.5282, 45.4361, 39.3645



39.4948, 45.4361, 28.4261



35.0222, 45.4361, 61.1770

Rectangle

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



47.0996, 45.4361, 78.9607



52.9839, 45.4361, 57.6331



39.4948, 45.4361, 28.4261



34.6766, 45.4361, 42.1205

Sweetspot

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



47.1011, 45.4379, 78.9617



83.4675, 85.9648, 106.8014



58.7783, 69.1264, 82.9186



17.6627, 18.1543, 22.8232



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.



47.1011, 45.4379, 78.9617



56.2498, 53.0255, 101.8780



53.5177, 48.7458, 79.2620



13.6083, 13.9003, 18.1101



8.1291, 3.2566, 42.5833



0.6098, 0.2453, 3.1472

Inverse Universe

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



60.7374, 52.4836, 78.8823



76.6683, 63.5762, 101.7259



59.0633, 70.3321, 51.0219



14.9825, 14.6102, 18.1085



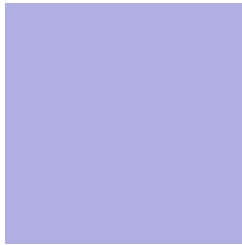
26.2199, 12.6222, 41.6485



1.9414, 0.9343, 3.0979

Previews

White Background



This preview shows how the XYZ color 47.0996, 45.4361, 78.9607 looks on a white background.

Color Contrast Check

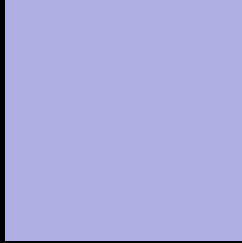
Large Text (above 18pt) WCAG AA × Fail

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 47.0996, 45.4361, 78.9607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

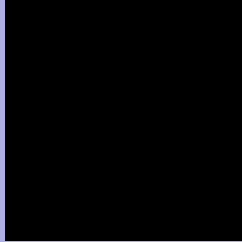
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0996, 45.4361, 78.9607

Background



This preview shows how black text looks on a background with the XYZ color 47.0996, 45.4361, 78.9607.



This preview shows how white text looks on a background with the XYZ color 47.0996, 45.4361,

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

47.0996, 45.4361, 78.9607

Protanopia

45.9996, 45.7134, 80.5279

Deuteranopia

46.4037, 45.3674, 78.9841



Tritanopia

42.9518, 45.5339, 58.1549

Trichromacy



Original Color

47.0996, 45.4361, 78.9607

Protanomaly

46.3033, 45.5918, 79.7584

Deuteranomaly

46.6240, 45.4810, 78.9944

Tritanomaly

44.3958, 45.5158, 65.4770

Monochromacy



Original Color

47.0996, 45.4361, 78.9607

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.9035, 45.9011, 59.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0996, 45.4361, 78.9607 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, 175, 227)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 227)  
}
```

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, 175, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.0996, 45.4361, 78.9607 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, 175, 227) }
```


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

```
.border{ border-color:rgb(176, 175, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 175, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 227);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0996, 45.4361, 78.9607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 175, 227) }
```

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

```
.background{ background-color: rgb(176,  
175, 227) }
```

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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