

Converting Colors

XYZ(47.2426, 45.4383, 80.3021)

Have a look what the booklet for
XYZ(47.2426, 45.4383, 80.3021)
contains.

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Color

**XYZ(47.3773, 45.5472,
80.4232)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AFE5
RGB	176, 175, 229
RGB Percent	69%, 69%, 90%
CMY	0.3098, 0.3137, 0.1020
CMYK	0.23, 0.24, 0.00, 0.10
HSL	241°, 51%, 79%
HSV	241°, 24%, 90%
XYZ	47.3773, 45.5472, 80.4232
YIQ	181.4550, -16.7380, 17.0060

Conversions

Conversions Part 2

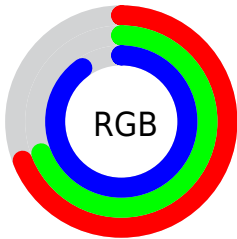
Format	Color
RYB	176, 175, 229
Decimal	11579365
CIELab	73.25, 11.74, -26.91
CIELCh	73, 29.358, 293.574
Yxy	45.5472, 0.2733, 0.2628
Android (android.graphics.Color)	4289769445 (0xFFB0AFE5)
YUV	181.4550, 23.4397, -4.7840
Hunter-Lab	67.4887, 7.2025, -23.4112

Details

The XYZ color **47.3773, 45.5472, 80.4232** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.7535, 75.6289, 51.5863**, and the grayscale version is **44.0519, 46.3461, 50.4709**.

A 20% lighter version of the original color is **79.6255, 80.9694, 106.0397**, and **22.6518, 21.3206, 42.4566** is the 20% darker color. If you saturate the color by 10%, you get **38.6244, 34.9710, 78.8439**, and if you desaturate by 10%, it is **57.7303, 58.0724, 82.2959**.

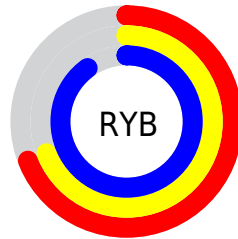
Distribution



Red (69%)

Green (69%)

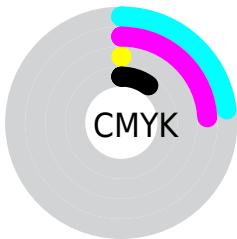
Blue (90%)



Red (69%)

Yellow (69%)

Blue (90%)

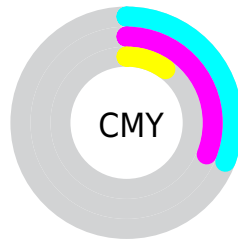


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3773, 45.5472, 80.4232 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 47.3773, 45.5472, 80.4232 by changing the saturation by 10% instead.

■ 47.3773, 45.5472,
80.4232

■ 47.3773, 45.5472,
80.4232

366.9424,
368.9852, 516.1022

■ 33.5432, 31.8887,
59.5385

■ 85.4919, 83.5409,
135.7773

■ 22.7041, 21.2765,
42.6239

110.5031,
108.6449, 171.0838

■ 14.4947, 13.3262,
29.2609

139.9707,
138.3328, 212.0346

■ 8.5495, 7.6536,
19.0310

174.2600,
172.9891, 259.0482

■ 4.5033, 3.8741,
11.5156

213.7365,
212.9980, 312.5433

■ 1.9906, 1.6034,
6.2963

258.7655,

■ 0.6287, 0.3599,

258.7441, 372.9383

2.9544

309.7123,
310.6117, 440.6517

■ 0.0000, 0.0000,
1.0714

■ 0.0000, 0.0000,
0.0000

■ 47.3773, 45.5472,
80.4232

■ 47.3773, 45.5472,
80.4232

■ 38.6244, 34.9710,
78.8439

■ 57.7303, 58.0724,
82.2959

■ 31.3878, 26.2406,
77.5402

■ 69.7530, 72.6319,
84.4725

■ 25.5826, 19.2521,
76.4972

■ 83.5162, 89.3123,
86.9668

■ 21.1138, 13.8886,
75.6975

■ 91.1430, 98.4372,
88.3261

■ 17.8751, 10.0192,
75.1213

■ 15.7437, 7.4925,
74.7459

■ 14.5718, 6.1256,
74.5439

■ 14.1960, 5.6845,
74.4785

Harmonies

Analogous

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



42.1915, 45.5472, 83.4850



47.3773, 45.5472, 80.4232



51.7657, 45.5472, 68.4288

Triad

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



47.3773, 45.5472, 80.4232



49.4470, 45.5472, 30.0807



34.1704, 45.5472, 46.4839

Complementary

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



47.3773, 45.5472, 80.4232



67.7535, 75.6289, 51.5863

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.



35.7961, 45.5472, 34.5761



47.3773, 45.5472, 80.4232



44.4099, 45.5472, 26.3964

Square

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



47.3773, 45.5472, 80.4232



53.0254, 45.5472, 39.0852



39.4472, 45.5472, 27.8614



34.8279, 45.5472, 61.8335

Rectangle

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



47.3773, 45.5472, 80.4232



53.5107, 45.5472, 58.0603



39.4472, 45.5472, 27.8614



34.4635, 45.5472, 41.9920

Sweetspot

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



47.3788, 45.5490, 80.4242



83.4632, 85.9626, 106.8012



59.5943, 70.3141, 84.5605



17.6617, 18.1538, 22.8231



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.



47.3788, 45.5490, 80.4242



55.0959, 51.6394, 101.6713



54.0758, 49.0014, 80.7377



13.6074, 13.8998, 18.1101



8.1275, 3.2558, 42.5832



0.6093, 0.2451, 3.1472

Inverse Universe

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



61.6481, 52.9212, 80.3662



76.1356, 62.5103, 101.5500



59.8728, 71.5662, 51.2174



14.9830, 14.6104, 18.1109



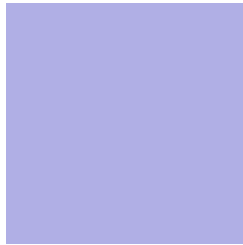
26.2325, 12.6272, 41.7146



1.9422, 0.9346, 3.1021

Previews

White Background



This preview shows how the XYZ color 47.3773, 45.5472, 80.4232 looks on a white background.

Color Contrast Check

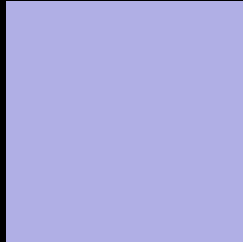
Large Text (above 18pt) WCAG AA × Fail

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 47.3773, 45.5472, 80.4232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

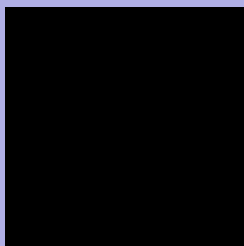
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3773, 45.5472, 80.4232

Background



This preview shows how black text looks on a background with the XYZ color 47.3773, 45.5472, 80.4232.



This preview shows how white text looks on a background with the XYZ color 47.3773, 45.5472,

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

47.3773, 45.5472, 80.4232

Protanopia

46.0701, 45.7173, 81.9975

Deuteranopia

46.6814, 45.4785, 80.4466



Tritanopia

42.9518, 45.5339, 58.1549

Trichromacy



Original Color

47.3773, 45.5472, 80.4232

Protanomaly

46.5826, 45.7035, 81.2294

Deuteranomaly

46.9018, 45.5920, 80.4569

Tritanomaly

44.3958, 45.5158, 65.4770

Monochromacy



Original Color

47.3773, 45.5472, 80.4232

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 47.3773, 45.5472, 80.4232 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 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(176, 175, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 229) }
```

Border

The CSS property to change the border of an element to XYZ 47.3773, 45.5472, 80.4232 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, 229) }
```


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

```
.border{ border-color:rgb(176, 175, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 229);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3773, 45.5472, 80.4232 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, 229) }
```

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

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