

Converting Colors

XYZ(49.0058, 45.5456, 79.6071)

Have a look what the booklet for
XYZ(49.0058, 45.5456, 79.6071)
contains.

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Color

**XYZ(49.0058, 45.5456,
79.6071)**

Conversions

Conversions Part 1

Format	Color
Hex	BAACE4
RGB	186, 172, 228
RGB Percent	73%, 67%, 89%
CMY	0.2706, 0.3255, 0.1059
CMYK	0.18, 0.25, 0.00, 0.11
HSL	255°, 51%, 78%
HSV	255°, 25%, 89%
XYZ	49.0058, 45.5456, 79.6071
YIQ	182.5700, -9.6320, 20.3840

Conversions

Conversions Part 2

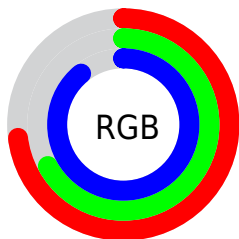
Format	Color
RYB	186, 172, 228
Decimal	12233956
CIELab	73.25, 16.24, -26.30
CIELCh	73, 30.905, 301.694
Yxy	45.5456, 0.2814, 0.2615
Android (android.graphics.Color)	4290424036 (0xFFBAACE4)
YUV	182.5700, 22.3970, 3.0081
Hunter-Lab	67.4875, 11.5141, -22.6963

Details

The XYZ color **49.0058, 45.5456, 79.6071** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.9229, 72.7627, 49.7600**, and the grayscale version is **44.6608, 46.9866, 51.1685**.

A 20% lighter version of the original color is **82.4812, 81.2129, 105.9362**, and **23.6786, 21.3170, 41.8963** is the 20% darker color. If you saturate the color by 10%, you get **41.1246, 35.5851, 78.1007**, and if you desaturate by 10%, it is **58.1316, 57.2549, 81.3870**.

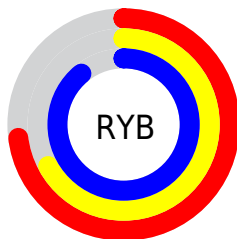
Distribution



Red (73%)

Green (67%)

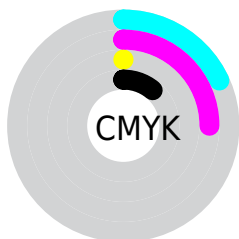
Blue (89%)



Red (73%)

Yellow (67%)

Blue (89%)

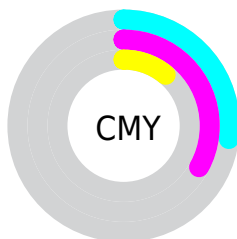


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0058, 45.5456, 79.6071 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 49.0058, 45.5456, 79.6071 by changing the saturation by 10% instead.

■ 49.0058, 45.5456,
79.6071

■ 49.0058, 45.5456,
79.6071

373.2817,
368.9788, 513.2796

■ 34.8386, 31.8874,
58.8708

■ 87.9007, 83.5385,
134.6196

■ 23.7045, 21.2755,
42.0898

113.3592,
108.6421, 169.7329

■ 15.2381, 13.3255,
28.8455

143.3122,
138.3295, 210.4756

■ 9.0741, 7.6531,
18.7194

178.1250,
172.9852, 257.2663

■ 4.8470, 3.8738,
11.2930

218.1630,
212.9936, 310.5235

■ 2.1916, 1.6032,
6.1476

263.7916,

■ 0.7383, 0.3598,

258.7390, 370.6658

2.8648

315.3760,
310.6060, 438.1116

■ 0.0000, 0.0000,
1.0260

■ 0.0000, 0.0000,
0.0000

■ 49.0058, 45.5456,
79.6071

■ 49.0058, 45.5456,
79.6071

■ 41.1246, 35.5851,
78.1007

■ 58.1316, 57.2549,
81.3870

■ 34.4281, 27.2829,
76.8511

■ 68.5494, 70.7867,
83.4498

■ 28.8578, 20.5486,
75.8449

■ 80.3096, 86.2169,
85.8083

■ 24.3486, 15.2808,
75.0657

■ 90.7849, 98.2687,
87.5824

■ 20.8279, 11.3659,
74.4956

■ 91.0037, 98.3815,
87.5927

■ 18.2134, 8.6728,
74.1136

■ 16.4071, 7.0430,
73.8942

■ 15.6908, 6.4712,
73.8216

Harmonies

Analogous

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



43.5989, 45.5456, 85.8552



49.0058, 45.5456, 79.6071



53.1404, 45.5456, 65.1518

Triad

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



49.0058, 45.5456, 79.6071



48.4277, 45.5456, 27.6619



33.6761, 45.5456, 50.4801

Complementary

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



49.0058, 45.5456, 79.6071



62.9229, 72.7627, 49.7600

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.



34.7384, 45.5456, 36.7296



49.0058, 45.5456, 79.6071



42.9820, 45.5456, 25.3193

Square

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



49.0058, 45.5456, 79.6071



52.7876, 45.5456, 35.4911



38.0364, 45.5456, 28.2649



35.0055, 45.5456, 67.0047

Rectangle

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



49.0058, 45.5456, 79.6071



54.4559, 45.5456, 54.0341



38.0364, 45.5456, 28.2649



33.7649, 45.5456, 45.3992

Sweetspot

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



49.0073, 45.5475, 79.6081



84.8626, 86.6840, 106.8667



55.3018, 62.9404, 82.6336



17.9847, 18.3203, 22.8382



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.



49.0073, 45.5475, 79.6081



58.2797, 52.5037, 101.6703



56.2175, 49.2645, 79.9456



13.9187, 14.0603, 18.1247



9.1518, 3.7838, 42.6312



0.7598, 0.3227, 3.1542

Inverse Universe

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



58.8865, 50.8559, 70.3328



72.9892, 60.4141, 87.5631



55.6685, 69.0229, 49.4205



14.8331, 14.5504, 17.3214



22.7696, 11.2421, 23.4797



1.7192, 0.8454, 1.9276

Previews

White Background



This preview shows how the XYZ color 49.0058, 45.5456, 79.6071 looks on a white background.

Color Contrast Check

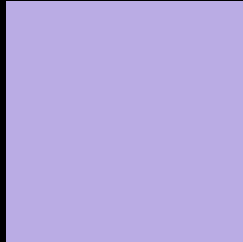
Large Text (above 18pt) WCAG AA × Fail

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 49.0058, 45.5456, 79.6071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

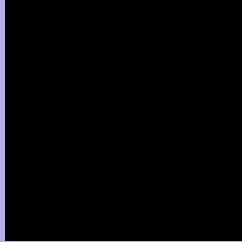
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0058, 45.5456, 79.6071

Background



This preview shows how black text looks on a background with the XYZ color 49.0058, 45.5456, 79.6071.



This preview shows how white text looks on a background with the XYZ color 49.0058, 45.5456,

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

49.0058, 45.5456, 79.6071

Protanopia

46.2118, 45.7740, 82.7436

Deuteranopia

46.6240, 45.4810, 78.9944



Tritanopia

44.5681, 45.7938, 56.9422

Trichromacy



Original Color

49.0058, 45.5456, 79.6071

Protanomaly

47.1827, 45.7044, 81.9363

Deuteranomaly

47.5552, 45.6710, 78.9820

Tritanomaly

45.9573, 45.4520, 64.7434

Monochromacy



Original Color

49.0058, 45.5456, 79.6071

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1961, 46.5541, 60.5839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0058, 45.5456, 79.6071 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(186, 172, 228)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 228)  
}
```

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(186, 172, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 228) }
```

Border

The CSS property to change the border of an element to XYZ 49.0058, 45.5456, 79.6071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

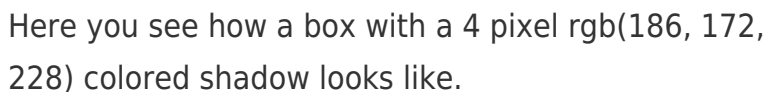
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 172, 228) }
```


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

```
.border{ border-color:rgb(186, 172, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 172, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 172, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 172, 228); box-shadow:4px 4px 4px 4px rgb(186, 172, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0058, 45.5456, 79.6071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 172, 228) }
```

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

```
.background{ background-color: rgb(186,  
172, 228) }
```

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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