

Converting Colors

XYZ(49.2936, 45.8107, 80.2002)

Have a look what the booklet for
XYZ(49.2936, 45.8107, 80.2002)
contains.

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Color

**XYZ(49.1451, 45.6013,
80.3404)**

Conversions

Conversions Part 1

Format	Color
Hex	BAACE5
RGB	186, 172, 229
RGB Percent	73%, 67%, 90%
CMY	0.2706, 0.3255, 0.1020
CMYK	0.19, 0.25, 0.00, 0.10
HSL	255°, 52%, 79%
HSV	255°, 25%, 90%
XYZ	49.1451, 45.6013, 80.3404
YIQ	182.6840, -9.9530, 20.6950

Conversions

Conversions Part 2

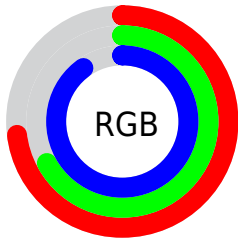
Format	Color
RYB	186, 172, 229
Decimal	12233957
CIELab	73.29, 16.46, -26.78
CIELCh	73, 31.438, 301.572
Yxy	45.6013, 0.2807, 0.2604
Android (android.graphics.Color)	4290424037 (0xFFBAACE5)
YUV	182.6840, 22.8338, 2.9081
Hunter-Lab	67.5287, 11.7309, -23.2685

Details

The XYZ color **49.1451, 45.6013, 80.3404** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.4914, 73.4653, 49.8656**, and the grayscale version is **44.7209, 47.0498, 51.2373**.

A 20% lighter version of the original color is **82.4812, 81.2129, 105.9362**, and **23.7750, 21.3556, 42.4041** is the 20% darker color. If you saturate the color by 10%, you get **41.2105, 35.5898, 78.8269**, and if you desaturate by 10%, it is **58.3411, 57.3800, 82.1300**.

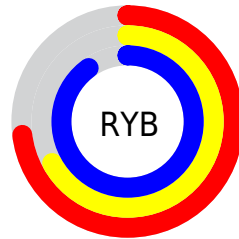
Distribution



Red (73%)

Green (67%)

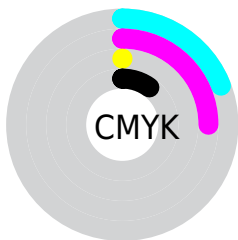
Blue (90%)



Red (73%)

Yellow (67%)

Blue (90%)

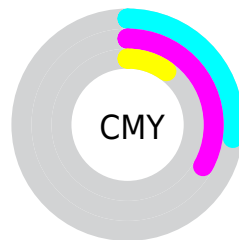


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (27%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1451, 45.6013, 80.3404 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 49.1451, 45.6013, 80.3404 by changing the saturation by 10% instead.

■ 49.1451, 45.6013,
80.3404

■ 49.1451, 45.6013,
80.3404

373.8208,
369.2034, 515.8163

■ 34.9496, 31.9313,
59.4707

■ 88.1063, 83.6220,
135.6599

■ 23.7904, 21.3090,
42.5696

113.6028,
108.7415, 170.9468

■ 15.3021, 13.3501,
29.2187

143.5970,
138.4463, 211.8766

■ 9.1194, 7.6701,
18.9993

178.4542,
173.1208, 258.8676

■ 4.8769, 3.8846,
11.4930

218.5398,
213.1493, 312.3386

■ 2.2092, 1.6092,
6.2811

264.2192,

■ 0.7476, 0.3638,

258.9163, 372.7080

2.9452

315.8578,
310.8062, 440.3944

■ 0.0000, 0.0000,
1.0667

■ 0.0000, 0.0000,
0.0000

■ 49.1451, 45.6013,
80.3404

■ 49.1451, 45.6013,
80.3404

■ 41.2105, 35.5898,
78.8269

■ 58.3411, 57.3800,
82.1300

■ 34.4763, 27.2536,
77.5728

■ 68.8468, 71.0007,
84.2053

■ 28.8830, 20.5009,
76.5642

■ 80.7136, 86.5405,
86.5794

■ 24.3639, 15.2287,
75.7848

■ 91.1430, 98.4372,
88.3260

■ 20.8451, 11.3214,
75.2160

■ 18.2424, 8.6455,
74.8367

■ 16.4556, 7.0393,
74.6208

■ 15.7875, 6.5050,
74.5529

Harmonies

Analogous

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



43.6347, 45.6013, 86.6907



49.1451, 45.6013, 80.3404



53.3707, 45.6013, 65.5873

Triad

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



49.1451, 45.6013, 80.3404



48.5984, 45.6013, 27.4172



33.5683, 45.6013, 50.4911

Complementary

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



49.1451, 45.6013, 80.3404



63.4914, 73.4653, 49.8656

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.



34.6567, 45.6013, 36.5327



49.1451, 45.6013, 80.3404



43.0520, 45.6013, 25.0288

Square

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



49.1451, 45.6013, 80.3404



53.0367, 45.6013, 35.3675



38.0159, 45.6013, 27.9826



34.9083, 45.6013, 67.3425

Rectangle

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



49.1451, 45.6013, 80.3404



54.7216, 45.6013, 54.2455



38.0159, 45.6013, 27.9826



33.6618, 45.6013, 45.3255

Sweetspot

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



49.1466, 45.6032, 80.3414



84.8358, 86.6702, 106.8654



55.6366, 63.3873, 83.4321



17.9785, 18.3171, 22.8379



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.



49.1466, 45.6032, 80.3414



57.1717, 51.1694, 101.4712



56.5700, 49.4301, 80.6888



13.9127, 14.0572, 18.1244



9.1180, 3.7664, 42.6296



0.7566, 0.3210, 3.1541

Inverse Universe

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



59.3327, 51.0711, 71.0221



72.4311, 59.3686, 87.1598



56.0096, 69.6083, 49.5154



14.8359, 14.5515, 17.3361



22.8243, 11.2639, 23.7676



1.7228, 0.8468, 1.9468

Previews

White Background



This preview shows how the XYZ color 49.1451, 45.6013, 80.3404 looks on a white background.

Color Contrast Check

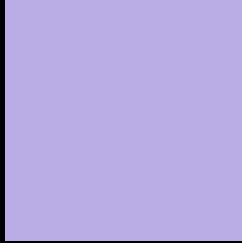
Large Text (above 18pt) WCAG AA × Fail

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 49.1451, 45.6013, 80.3404 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 49.1451, 45.6013, 80.3404

Background



This preview shows how black text looks on a background with the XYZ color 49.1451, 45.6013, 80.3404.



This preview shows how white text looks on a background with the XYZ color 49.1451, 45.6013,

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

49.1451, 45.6013, 80.3404

Protanopia

46.1454, 45.7233, 83.4842

Deuteranopia

46.7390, 45.8164, 79.7788



Tritanopia

44.5681, 45.7938, 56.9422

Trichromacy



Original Color

49.1451, 45.6013, 80.3404

Protanomaly

47.3244, 45.7611, 82.6824

Deuteranomaly

47.4650, 45.6085, 79.7004

Tritanomaly

45.9573, 45.4520, 64.7434

Monochromacy



Original Color

49.1451, 45.6013, 80.3404

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.3126, 46.6007, 61.1975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1451, 45.6013, 80.3404 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 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(186, 172, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.1451, 45.6013, 80.3404 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, 229) }
```


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

```
.border{ border-color:rgb(186, 172, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 172, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 172, 229);  
box-shadow:4px 4px 4px 4px rgb(186, 172,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1451, 45.6013, 80.3404 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, 229) }
```

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

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