

Converting Colors

XYZ(49.7230, 45.4252, 84.9785)

Have a look what the booklet for
XYZ(49.7230, 45.4252, 84.9785)
contains.

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Color

**XYZ(49.8080, 45.5631,
84.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	BAABEB
RGB	186, 171, 235
RGB Percent	73%, 67%, 92%
CMY	0.2706, 0.3294, 0.0784
CMYK	0.21, 0.27, 0.00, 0.08
HSL	254°, 62%, 80%
HSV	254°, 27%, 92%
XYZ	49.8080, 45.5631, 84.7667
YIQ	182.7810, -11.6040, 23.0840

Conversions

Conversions Part 2

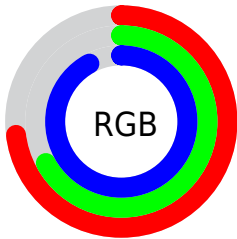
Format	Color
RYB	186, 171, 235
Decimal	12233707
CIELab	73.26, 18.36, -30.09
CIELCh	73, 35.249, 301.397
Yxy	45.5631, 0.2765, 0.2529
Android (android.graphics.Color)	4290423787 (0xFFBAABEB)
YUV	182.7810, 25.7440, 2.8231
Hunter-Lab	67.5004, 13.5878, -27.2058

Details

The XYZ color **49.8080, 45.5631, 84.7667** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.5757, 77.5737, 49.9944**, and the grayscale version is **44.7591, 47.0901, 51.2811**.

A 20% lighter version of the original color is **82.2085, 80.6674, 105.8453**, and **24.2492, 21.3539, 45.4915** is the 20% darker color. If you saturate the color by 10%, you get **41.6583, 35.3486, 83.2254**, and if you desaturate by 10%, it is **59.3002, 57.6432, 86.5989**.

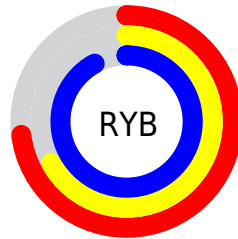
Distribution



Red (73%)

Green (67%)

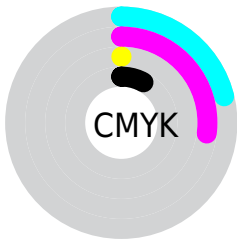
Blue (92%)



Red (73%)

Yellow (67%)

Blue (92%)

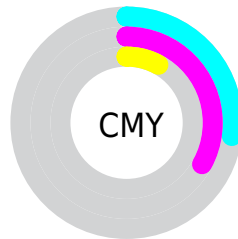


Cyan (21%)

Magenta (27%)

Yellow (0%)

Black (8%)



Cyan (27%)

Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8080, 45.5631, 84.7667 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 49.8080, 45.5631, 84.7667 by changing the saturation by 10% instead.

■ 49.8080, 45.5631,
84.7667

■ 49.8080, 45.5631,
84.7667

376.3790,
369.0494, 530.9802

■ 35.4780, 31.9012,
63.0996

■ 89.0839, 83.5648,
141.9184

■ 24.1996, 21.2860,
45.4803

114.7605,
108.6733, 178.2402

■ 15.6073, 13.3332,
31.4902

144.9500,
138.3662, 220.2838

■ 9.3358, 7.6584,
20.7108

180.0178,
173.0278, 268.4680

■ 5.0197, 3.8772,
12.7236

220.3293,
213.0425, 323.2111

■ 2.2937, 1.6051,
7.1100

266.2497,

■ 0.7914, 0.3610,

258.7947, 384.9319

3.4515

318.1445,
310.6689, 454.0487

■ 0.0000, 0.0000,
1.3295

■ 0.0000, 0.0000,
0.0858

■ 49.8080, 45.5631,
84.7667

■ 49.8080, 45.5631,
84.7667

■ 41.6583, 35.3486,
83.2254

■ 59.3002, 57.6432,
86.5989

■ 34.7845, 26.9001,
81.9570

■ 70.1884, 71.6708,
88.7326

■ 29.1208, 20.1170,
80.9462

■ 82.5288, 87.7296,
91.1818

■ 24.5933, 14.8860,
80.1751

■ 91.9955, 98.7782,
92.8155

■ 21.1198, 11.0795,
79.6235

■ 18.6056, 8.5486,
79.2675

■ 16.9329, 7.1017,
79.0764

■ 16.5752, 6.8126,
79.0394

Harmonies

Analogous

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



43.5973, 45.5631, 92.0873



49.8080, 45.5631, 84.7667



54.6196, 45.5631, 67.7844

Triad

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



49.8080, 45.5631, 84.7667



49.2581, 45.5631, 25.2970



32.4638, 45.5631, 50.4465

Complementary

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



49.8080, 45.5631, 84.7667



66.5757, 77.5737, 49.9944

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.



33.6743, 45.5631, 35.0153



49.8080, 45.5631, 84.7667



43.0167, 45.5631, 22.7396

Square

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



49.8080, 45.5631, 84.7667



54.2814, 45.5631, 33.8862



37.3967, 45.5631, 25.8313



33.9203, 45.5631, 69.5729

Rectangle

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



49.8080, 45.5631, 84.7667



56.1734, 45.5631, 54.8861



37.3967, 45.5631, 25.8313



32.5715, 45.5631, 44.6842

Sweetspot

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



49.8095, 45.5649, 84.7677



83.3693, 84.8250, 106.5866



57.4022, 65.8789, 88.2885



17.4014, 17.5831, 22.7267



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.



49.8095, 45.5649, 84.7677



53.9629, 47.3101, 100.8953



58.4533, 50.0210, 85.1723



14.5616, 14.7193, 18.9959



9.3182, 3.8396, 43.9930



0.8148, 0.3443, 3.4584

Inverse Universe

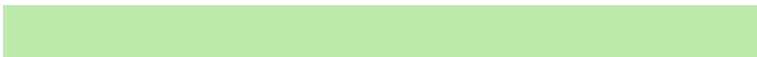
The Inverse Universe completely reimagines the original color for something new.



61.7436, 51.9571, 74.4864



70.8103, 56.3434, 85.9516



57.8159, 73.0579, 49.5844



15.5551, 15.2499, 18.2082



23.7002, 11.6828, 25.2861



1.8975, 0.9320, 2.1777

Previews

White Background



This preview shows how the XYZ color 49.8080, 45.5631, 84.7667 looks on a white background.

Color Contrast Check

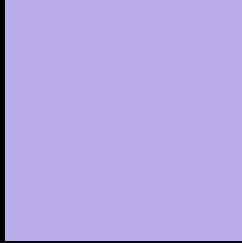
Large Text (above 18pt) WCAG AA × Fail

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 49.8080, 45.5631, 84.7667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

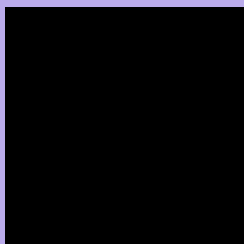
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8080, 45.5631, 84.7667

Background



This preview shows how black text looks on a background with the XYZ color 49.8080, 45.5631, 84.7667.



This preview shows how white text looks on a background with the XYZ color 49.8080, 45.5631,

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

49.8080, 45.5631, 84.7667

Protanopia

46.5489, 45.8134, 88.8276

Deuteranopia

46.7219, 45.7096, 84.2022



Tritanopia

44.1058, 45.5554, 56.9205

Trichromacy



Original Color

49.8080, 45.5631, 84.7667

Protanomaly

47.5572, 45.4909, 87.1630

Deuteranomaly

47.8605, 45.7144, 84.1431

Tritanomaly

45.9666, 45.4285, 66.0204

Monochromacy



Original Color

49.8080, 45.5631, 84.7667

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.5479, 46.6948, 62.4368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8080, 45.5631, 84.7667 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, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 235)  
}
```

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, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.8080, 45.5631, 84.7667 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, 171, 235) }
```


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

```
.border{ border-color:rgb(186, 171, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 235);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8080, 45.5631, 84.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 235) }
```

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

```
.background{ background-color: rgb(186,  
171, 235) }
```

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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