

Converting Colors

XYZ(49.9220, 45.9007, 76.0412)

Have a look what the booklet for
XYZ(49.9220, 45.9007, 76.0412)
contains.

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Color

**XYZ(49.8745, 45.7910,
76.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	C1ABDF
RGB	193, 171, 223
RGB Percent	76%, 67%, 87%
CMY	0.2431, 0.3294, 0.1255
CMYK	0.13, 0.23, 0.00, 0.13
HSL	265°, 45%, 77%
HSV	265°, 23%, 87%
XYZ	49.8745, 45.7910, 76.0219
YIQ	183.5060, -3.5800, 20.8360

Conversions

Conversions Part 2

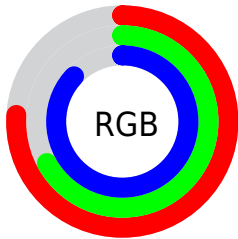
Format	Color
RYB	193, 171, 223
Decimal	12692447
CIELab	73.41, 17.90, -23.27
CIElCh	73, 29.363, 307.568
Yxy	45.7910, 0.2905, 0.2667
Android (android.graphics.Color)	4290882527 (0xFFC1ABDF)
YUV	183.5060, 19.4705, 8.3262
Hunter-Lab	67.6690, 13.1400, -19.2402

Details

The XYZ color **49.8745, 45.7910, 76.0219** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.8273, 68.1343, 48.6336**, and the grayscale version is **45.1866, 47.5398, 51.7708**.

A 20% lighter version of the original color is **84.6707, 81.9367, 105.9605**, and **24.3122, 21.5098, 39.9162** is the 20% darker color. If you saturate the color by 10%, you get **42.8742, 36.4488, 74.5884**, and if you desaturate by 10%, it is **57.8736, 56.7053, 77.7077**.

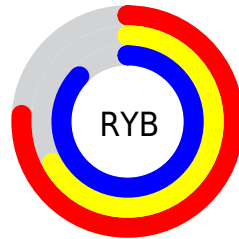
Distribution



Red (76%)

Green (67%)

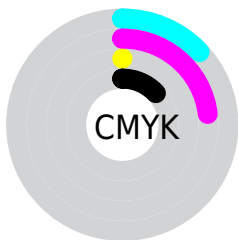
Blue (87%)



Red (76%)

Yellow (67%)

Blue (87%)

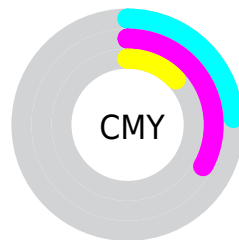


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8745, 45.7910, 76.0219 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 49.8745, 45.7910, 76.0219 by changing the saturation by 10% instead.

■ 49.8745, 45.7910,
76.0219

■ 49.8745, 45.7910,
76.0219

376.6351,
369.9678, 500.7715

■ 35.5311, 32.0809,
55.9437

■ 89.1818, 83.9061,
129.5182

■ 24.2407, 21.4233,
39.7541

114.8765,
109.0800, 163.7735

■ 15.6380, 13.4338,
27.0345

145.0855,
138.8439, 203.5914

■ 9.3575, 7.7279,
17.3665

180.1744,
173.5822, 249.3907

■ 5.0341, 3.9214,
10.3314

220.5085,
213.6793, 301.5898

■ 2.3022, 1.6297,
5.5108

266.4530,

■ 0.7958, 0.3775,

259.5197, 360.6073

2.4860

318.3734,
311.4877, 426.8616

■ 0.0000, 0.0000,
0.8327

■ 0.0000, 0.0000,
0.0000

■ 49.8745, 45.7910,
76.0219

■ 49.8745, 45.7910,
76.0219

■ 42.8742, 36.4488,
74.5884

■ 57.8736, 56.7053,
77.7077

■ 36.8256, 28.5980,
73.3918

■ 66.9074, 69.2558,
79.6541

■ 31.6838, 22.1591,
72.4200

■ 77.0150, 83.5101,
81.8727

■ 27.3983, 17.0429,
71.6583

■ 86.5493, 96.1642,
83.8127

■ 23.9130, 13.1493,
71.0905

■ 90.3194, 98.1078,
83.9891

■ 21.1642, 10.3634,
70.6976

■ 19.0757, 8.5468,
70.4570

■ 17.9707, 7.7256,
70.3568

Harmonies

Analogous

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



44.8464, 45.7910, 83.7691



49.8745, 45.7910, 76.0219



53.3811, 45.7910, 61.5393

Triad

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



49.8745, 45.7910, 76.0219



47.4304, 45.7910, 27.8883



34.3876, 45.7910, 53.7060

Complementary

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



49.8745, 45.7910, 76.0219



57.8273, 68.1343, 48.6336

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.



34.9600, 45.7910, 39.7582



49.8745, 45.7910, 76.0219



42.2258, 45.7910, 26.6133

Square

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



49.8745, 45.7910, 76.0219



51.8938, 45.7910, 34.4270



37.7350, 45.7910, 30.5141



36.1045, 45.7910, 69.3249

Rectangle

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



49.8745, 45.7910, 76.0219



54.2378, 45.7910, 51.0772



37.7350, 45.7910, 30.5141



34.3213, 45.7910, 48.6596

Sweetspot

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



49.8760, 45.7929, 76.0229



85.9298, 87.2341, 106.9166



51.0799, 55.9161, 77.9134



18.2314, 18.4475, 22.8498



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.



49.8760, 45.7929, 76.0229



62.7826, 55.6021, 102.0310



56.9967, 49.4638, 76.3562



13.4990, 13.5252, 17.2868



10.6894, 4.6059, 41.3740



0.8416, 0.3711, 2.8725

Inverse Universe

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



55.5384, 49.0328, 61.7974



71.8600, 60.8000, 79.0347



51.4940, 64.8694, 48.3372



14.0371, 13.8325, 15.9654



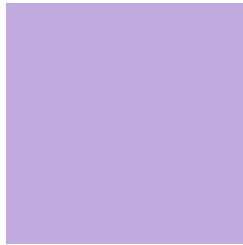
20.2674, 10.1739, 13.3396



1.4493, 0.7230, 1.1588

Previews

White Background



This preview shows how the XYZ color 49.8745, 45.7910, 76.0219 looks on a white background.

Color Contrast Check

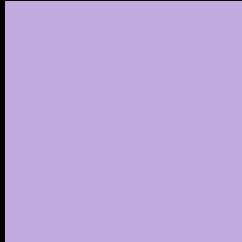
Large Text (above 18pt) WCAG AA × Fail

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 49.8745, 45.7910, 76.0219 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 49.8745, 45.7910, 76.0219

Background



This preview shows how black text looks on a background with the XYZ color 49.8745, 45.7910, 76.0219.



This preview shows how white text looks on a background with the XYZ color 49.8745, 45.7910,

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

49.8745, 45.7910, 76.0219

Protanopia

46.0724, 45.7671, 79.8044

Deuteranopia

47.0384, 46.0653, 75.5195



Tritanopia

45.8651, 45.8972, 55.7319

Trichromacy



Original Color

49.8745, 45.7910, 76.0219

Protanomaly

47.1889, 45.4980, 78.2464

Deuteranomaly

48.0432, 46.0012, 75.4542

Tritanomaly

47.3447, 45.9189, 62.8678

Monochromacy



Original Color

49.8745, 45.7910, 76.0219

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8067, 46.8822, 60.0083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8745, 45.7910, 76.0219 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(193, 171, 223)` looks like.

```
.text, #text, p{  
    color:rgb(193, 171, 223)  
}
```

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(193, 171, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 171, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.8745, 45.7910, 76.0219 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(193, 171, 223) }
```


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

```
.border{ border-color:rgb(193, 171, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 171, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 171, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 171, 223);  
box-shadow:4px 4px 4px 4px rgb(193, 171,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8745, 45.7910, 76.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 171, 223) }
```

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

```
.background{ background-color: rgb(193,  
171, 223) }
```

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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