

Converting Colors

XYZ(49.6841, 45.6565, 90.3953)

Have a look what the booklet for
XYZ(49.6841, 45.6565, 90.3953)
contains.

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Color

**XYZ(49.6019, 45.6192,
90.1955)**

Conversions

Conversions Part 1

Format	Color
Hex	B4ACF2
RGB	180, 172, 242
RGB Percent	71%, 67%, 95%
CMY	0.2941, 0.3255, 0.0510
CMYK	0.26, 0.29, 0.00, 0.05
HSL	247°, 73%, 81%
HSV	247°, 29%, 95%
XYZ	49.6019, 45.6192, 90.1955
YIQ	182.3720, -17.7020, 23.4660

Conversions

Conversions Part 2

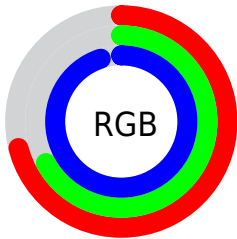
Format	Color
RYB	180, 172, 242
Decimal	11840754
CIELab	73.30, 17.65, -33.87
CIELCh	73, 38.194, 297.522
Yxy	45.6192, 0.2675, 0.2460
Android (android.graphics.Color)	4290030834 (0xFFB4ACF2)
YUV	182.3720, 29.3966, -2.0802
Hunter-Lab	67.5420, 12.8895, -31.8964

Details

The XYZ color **49.6019, 45.6192, 90.1955** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.1316, 83.9764, 51.3863**, and the grayscale version is **44.5191, 46.8375, 51.0060**.

A 20% lighter version of the original color is **80.4441, 80.1627, 105.8408**, and **24.1836, 21.4137, 49.3130** is the 20% darker color. If you saturate the color by 10%, you get **40.7989, 34.8560, 88.5827**, and if you desaturate by 10%, it is **60.0183, 58.4610, 92.1260**.

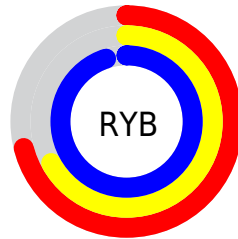
Distribution



Red (71%)

Green (67%)

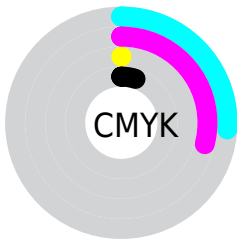
Blue (95%)



Red (71%)

Yellow (67%)

Blue (95%)

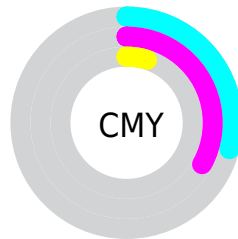


Cyan (26%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6019, 45.6192, 90.1955 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 49.6019, 45.6192, 90.1955 by changing the saturation by 10% instead.

■ 49.6019, 45.6192,
90.1955

■ 49.6019, 45.6192,
90.1955

375.5849,
369.2756, 549.2531

■ 35.3137, 31.9454,
67.5682

■ 88.7801, 83.6488,
149.5478

■ 24.0723, 21.3198,
49.0820

114.4008,
108.7734, 187.1099

■ 15.5123, 13.3580,
34.3185

144.5297,
138.4838, 230.4873

■ 9.2683, 7.6755,
22.8590

179.5322,
173.1643, 280.0985

■ 4.9751, 3.8880,
14.2851

219.7736,
213.1993, 336.3622

■ 2.2673, 1.6111,
8.1782

265.6193,

■ 0.7778, 0.3651,

258.9733, 399.6968

4.1198

317.4346,
310.8706, 470.5210

■ 0.0000, 0.0000,
1.6913

■ 0.0000, 0.0000,
0.3548

■ 49.6019, 45.6192,
90.1955

■ 49.6019, 45.6192,
90.1955

■ 40.7989, 34.8560,
88.5827

■ 60.0183, 58.4610,
92.1260

■ 33.5236, 26.0567,
87.2677

■ 72.1186, 73.4773,
94.3867

■ 27.6898, 19.1036,
86.2331

■ 85.9747, 90.7644,
96.9931

■ 23.2003, 13.8643,
85.4585

■ 93.0272, 99.1909,
98.2479

■ 19.9459, 10.1886,
84.9205

■ 17.7998, 7.8998,
84.5919

■ 16.5897, 6.7428,
84.4323

■ 16.4966, 6.6529,
84.4199

Harmonies

Analogous

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



42.8041, 45.6192, 96.5127



49.6019, 45.6192, 90.1955



55.1855, 45.6192, 72.2829

Triad

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



49.6019, 45.6192, 90.1955



50.6665, 45.6192, 24.5576



31.7003, 45.6192, 48.0906

Complementary

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



49.6019, 45.6192, 90.1955



73.1316, 83.9764, 51.3863

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.



33.3569, 45.6192, 32.3485



49.6019, 45.6192, 90.1955



43.9201, 45.6192, 21.1367

Square

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



49.6019, 45.6192, 90.1955



55.8434, 45.6192, 34.4729



37.6644, 45.6192, 23.5719



32.8906, 45.6192, 68.7866

Rectangle

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



49.6019, 45.6192, 90.1955



57.2229, 45.6192, 58.0941



37.6644, 45.6192, 23.5719



31.9385, 45.6192, 42.1051

Sweetspot

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



49.6034, 45.6210, 90.1965



81.0736, 82.5679, 106.2719



62.7500, 74.5994, 95.0970



16.9022, 17.1120, 22.6621



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.



49.6034, 45.6210, 90.1965



49.5337, 43.6258, 100.4176



58.5126, 50.2139, 90.6135



15.0650, 15.3152, 19.8837



8.9187, 3.6032, 45.3533



0.7965, 0.3279, 3.7755

Inverse Universe

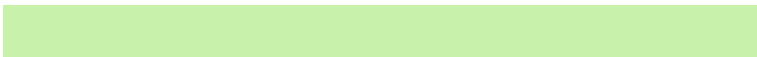
The Inverse Universe completely reimagines the original color for something new.



66.2232, 54.3246, 84.8389



71.2819, 55.0221, 93.0905



63.0193, 78.7633, 50.9130



16.3719, 15.9985, 19.5147



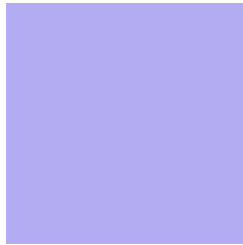
26.2483, 12.7717, 35.5536



2.2055, 1.0713, 3.0731

Previews

White Background



This preview shows how the XYZ color 49.6019, 45.6192, 90.1955 looks on a white background.

Color Contrast Check

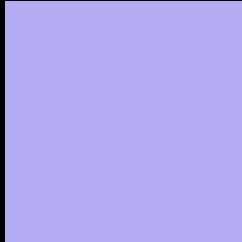
Large Text (above 18pt) WCAG AA × Fail

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 49.6019, 45.6192, 90.1955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

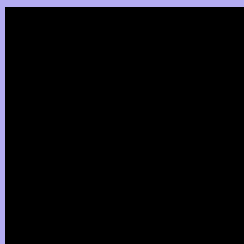
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6019, 45.6192, 90.1955

Background



This preview shows how black text looks on a background with the XYZ color 49.6019, 45.6192, 90.1955.



This preview shows how white text looks on a background with the XYZ color 49.6019, 45.6192,

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

49.6019, 45.6192, 90.1955

Protanopia

47.0522, 45.9682, 93.5816

Deuteranopia

46.7036, 45.5817, 89.5557



Tritanopia

43.1688, 45.6458, 58.1650

Trichromacy



Original Color

49.6019, 45.6192, 90.1955

Protanomaly

47.9431, 45.8587, 92.7109

Deuteranomaly

47.5693, 45.4458, 89.4838

Tritanomaly

45.2596, 45.5929, 68.7022

Monochromacy



Original Color

49.6019, 45.6192, 90.1955

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.8755, 46.0242, 63.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6019, 45.6192, 90.1955 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(180, 172, 242)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 242)  
}
```

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(180, 172, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 242) }
```

Border

The CSS property to change the border of an element to XYZ 49.6019, 45.6192, 90.1955 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(180, 172, 242) }
```


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

```
.border{ border-color:rgb(180, 172, 242) }
```

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

Here you see how a box with a 4 pixel rgb(180, 172, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 242);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6019, 45.6192, 90.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 242) }
```

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

```
.background{ background-color: rgb(180,  
172, 242) }
```

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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