

Converting Colors

XYZ(49.2170, 45.5095, 89.1382)

Have a look what the booklet for
XYZ(49.2170, 45.5095, 89.1382)
contains.

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Color

**XYZ(49.2201, 45.4396,
89.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	B3ACF1
RGB	179, 172, 241
RGB Percent	70%, 67%, 95%
CMY	0.2980, 0.3255, 0.0549
CMYK	0.26, 0.29, 0.00, 0.05
HSL	246°, 71%, 81%
HSV	246°, 29%, 95%
XYZ	49.2201, 45.4396, 89.3956
YIQ	181.9590, -17.9770, 22.9430

Conversions

Conversions Part 2

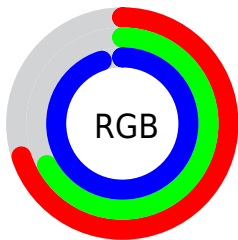
Format	Color
R _Y B	179, 172, 241
Decimal	11775217
CIE Lab	73.18, 17.12, -33.52
CIE LCh	73, 37.636, 297.057
Yxy	45.4396, 0.2674, 0.2469
Android (android.graphics.Color)	4289965297 (0xFFB3ACF1)
YUV	181.9590, 29.1072, -2.5950
Hunter-Lab	67.4089, 12.3701, -31.4423

Details

The XYZ color **49.2201, 45.4396, 89.3956** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.8345, 83.3825, 51.2872**, and the grayscale version is **44.2960, 46.6028, 50.7505**.

A 20% lighter version of the original color is **80.1112, 79.9910, 105.8252**, and **23.9309, 21.2957, 48.7481** is the 20% darker color. If you saturate the color by 10%, you get **40.4247, 34.7036, 87.7877**, and if you desaturate by 10%, it is **59.6363, 58.2478, 91.3196**.

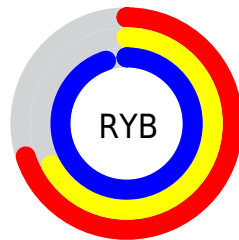
Distribution



Red (70%)

Green (67%)

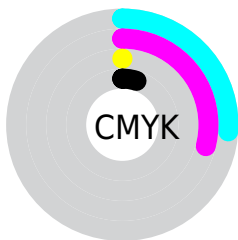
Blue (95%)



Red (70%)

Yellow (67%)

Blue (95%)

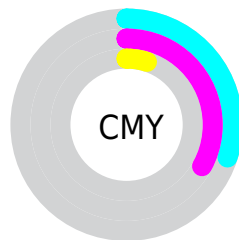


Cyan (26%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (30%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2201, 45.4396, 89.3956 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 49.2201, 45.4396, 89.3956 by changing the saturation by 10% instead.

■ 49.2201, 45.4396,
89.3956

■ 49.2201, 45.4396,
89.3956

374.1108,
368.5510, 546.5821

■ 35.0094, 31.8038,
66.9086

■ 88.2170, 83.3797,
148.4267

■ 23.8366, 21.2117,
48.5492

113.7339,
108.4528, 185.8080

■ 15.3366, 13.2788,
33.8989

143.7502,
138.1071, 228.9910

■ 9.1438, 7.6208,
22.5392

178.6313,
172.7271, 278.3943

■ 4.8929, 3.8533,
14.0516

218.7426,
212.6970, 334.4366

■ 2.2187, 1.5918,
8.0174

264.4494,

■ 0.7526, 0.3521,

258.4014, 397.5363

4.0181

316.1170,
310.2246, 468.1119

■ 0.0000, 0.0000,
1.6353

■ 0.0000, 0.0000,
0.3158

■ 49.2201, 45.4396,
89.3956

■ 49.2201, 45.4396,
89.3956

■ 40.4247, 34.7036,
87.7877

■ 59.6363, 58.2478,
91.3196

■ 33.1638, 25.9255,
86.4760

■ 71.7444, 73.2235,
93.5721

■ 27.3504, 18.9884,
85.4434

■ 85.6169, 90.4628,
96.1684

■ 22.8864, 13.7603,
84.6696

■ 92.8773, 99.1309,
97.4589

■ 19.6618, 10.0921,
84.1315

■ 17.5486, 7.8081,
83.8020

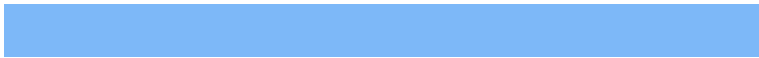
■ 16.3763, 6.6614,
83.6425

■ 16.2648, 6.5507,
83.6270

Harmonies

Analogous

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



42.5409, 45.4396, 95.3506



49.2201, 45.4396, 89.3956



54.7335, 45.4396, 71.9794

Triad

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



49.2201, 45.4396, 89.3956



50.4613, 45.4396, 24.8210



31.7185, 45.4396, 47.6338

Complementary

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



49.2201, 45.4396, 89.3956



72.8345, 83.3825, 51.2872

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.



33.3939, 45.4396, 32.2322



49.2201, 45.4396, 89.3956



43.8436, 45.4396, 21.3398

Square

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



49.2201, 45.4396, 89.3956



55.4999, 45.4396, 34.7219



37.6718, 45.4396, 23.6617



32.8481, 45.4396, 67.9100

Rectangle

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



49.2201, 45.4396, 89.3956



56.7695, 45.4396, 58.0679



37.6718, 45.4396, 23.6617



31.9679, 45.4396, 41.7764

Sweetspot

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



49.2216, 45.4414, 89.3966



80.9767, 82.5179, 106.2674



62.3430, 74.0253, 94.2223



16.8785, 17.0998, 22.6610



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.



49.2216, 45.4414, 89.3966



50.2613, 44.6945, 100.5856



58.1879, 50.0637, 89.8163



15.0460, 15.3054, 19.8828



8.8711, 3.5786, 45.3511



0.7875, 0.3232, 3.7751

Inverse Universe

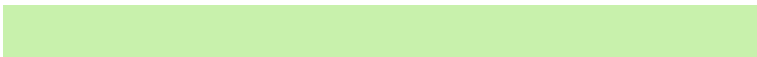
The Inverse Universe completely reimagines the original color for something new.



65.8807, 54.1480, 84.8224



71.9641, 56.0426, 94.3780



62.6157, 78.1146, 50.8089



16.3811, 16.0022, 19.5631



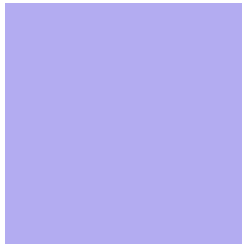
26.4607, 12.8567, 36.6722



2.2211, 1.0775, 3.1550

Previews

White Background



This preview shows how the XYZ color 49.2201, 45.4396, 89.3956 looks on a white background.

Color Contrast Check

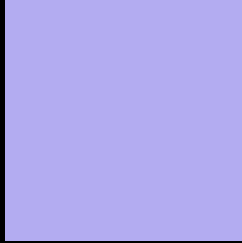
Large Text (above 18pt) WCAG AA × Fail

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 49.2201, 45.4396, 89.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

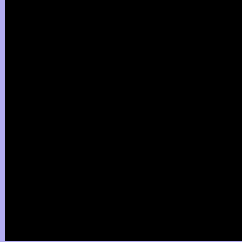
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2201, 45.4396, 89.3956

Background



This preview shows how black text looks on a background with the XYZ color 49.2201, 45.4396, 89.3956.



This preview shows how white text looks on a background with the XYZ color 49.2201, 45.4396,

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

49.2201, 45.4396, 89.3956

Protanopia

46.7008, 45.5104, 92.7092

Deuteranopia

46.7602, 45.6281, 88.7806



Tritanopia

42.9518, 45.5339, 58.1549

Trichromacy



Original Color

49.2201, 45.4396, 89.3956

Protanomaly

47.5955, 45.4071, 91.8438

Deuteranomaly

47.4203, 45.3862, 88.6992

Tritanomaly

45.0376, 45.4785, 68.6918

Monochromacy



Original Color

49.2201, 45.4396, 89.3956

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.7559, 45.9763, 62.9626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2201, 45.4396, 89.3956 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(179, 172, 241)` looks like.

```
.text, #text, p{  
    color:rgb(179, 172, 241)  
}
```

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(179, 172, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 172, 241) }
```

Border

The CSS property to change the border of an element to XYZ 49.2201, 45.4396, 89.3956 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(179, 172, 241) }
```


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

```
.border{ border-color:rgb(179, 172, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 172, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 172, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 172, 241);  
box-shadow:4px 4px 4px 4px rgb(179, 172,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2201, 45.4396, 89.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 172, 241) }
```

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

```
.background{ background-color: rgb(179,  
172, 241) }
```

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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