

Converting Colors

XYZ(50.5338, 39.3059, 89.1251)

Have a look what the booklet for
XYZ(50.5338, 39.3059, 89.1251)
contains.

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Color

**XYZ(50.5095, 39.2182,
88.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	CA91F2
RGB	202, 145, 242
RGB Percent	79%, 57%, 95%
CMY	0.2078, 0.4314, 0.0510
CMYK	0.17, 0.40, 0.00, 0.05
HSL	275°, 79%, 76%
HSV	275°, 40%, 95%
XYZ	50.5095, 39.2182, 88.9121
YIQ	173.1010, 2.8350, 42.2510

Conversions

Conversions Part 2

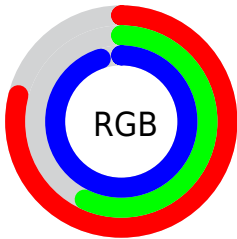
Format	Color
R _Y B	202, 145, 242
Decimal	13275634
CIE Lab	68.91, 39.01, -40.54
CIE LCh	69, 56.260, 313.894
Yxy	39.2182, 0.2827, 0.2195
Android (android.graphics.Color)	4291465714 (0xFFCA91F2)
YUV	173.1010, 33.9672, 25.3444
Hunter-Lab	62.6244, 34.3757, -40.3409

Details

The XYZ color **50.5095, 39.2182, 88.9121** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.8718, 75.8638, 38.4355**, and the grayscale version is **39.6045, 41.6670, 45.3754**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **24.5254, 17.4425, 47.9730** is the 20% darker color. If you saturate the color by 10%, you get **44.5847, 31.2475, 87.6865**, and if you desaturate by 10%, it is **57.3992, 48.8572, 90.4101**.

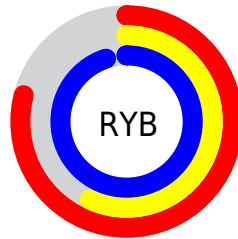
Distribution



Red (79%)

Green (57%)

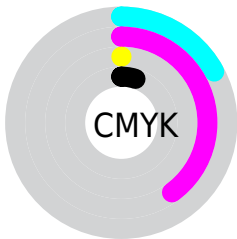
Blue (95%)



Red (79%)

Yellow (57%)

Blue (95%)

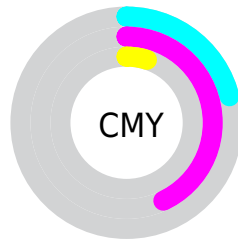


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (5%)



Cyan (21%)


Magenta (43%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5095, 39.2182, 88.9121 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 50.5095, 39.2182, 88.9121 by changing the saturation by 10% instead.


 50.5095, 39.2182,
88.9121


 50.5095, 39.2182,
88.9121


379.0742,
342.8173, 544.9641

 36.0379, 26.9295,
66.5101


 90.1166, 73.9715,
147.7486

 24.6337, 17.5203,
48.2275

 115.9828, 97.2050,
185.0202

 15.9316, 10.6061,
33.6458


146.3779,
124.8555, 228.0854

 9.5663, 5.8027,
22.3465

181.6673,
157.3074, 277.3627

 5.1724, 2.7255,
13.9110

222.2162,
194.9451, 333.2706

 2.3846, 0.9901,
7.9207

268.3901,

 0.8374, 0.0000,

238.1531, 396.2279

3.9572

320.5543,
287.3157, 466.6528

■ 0.0000, 0.0000,
1.6019

■ 0.0000, 0.0000,
0.2922

■ 50.5095, 39.2182,
88.9121

■ 50.5095, 39.2182,
88.9121

■ 44.5847, 31.2475,
87.6865

■ 57.3992, 48.8572,
90.4101

■ 39.5670, 24.8376,
86.7137

■ 65.2989, 60.2533,
92.1934

■ 35.3980, 19.8759,
85.9758

■ 74.2555, 73.4946,
94.2772

■ 32.0099, 16.2317,
85.4509

■ 84.3116, 88.6619,
96.6748

■ 29.3224, 13.7498,
85.1135

■ 91.8955, 98.6075,
98.1947

■ 27.2179, 12.1799,
84.9214

■ 93.0271, 99.1909,
98.2477

Harmonies

Analogous

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



41.5577, 39.2182, 110.5397



50.5095, 39.2182, 88.9121



56.3505, 39.2182, 57.8679

Triad

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



50.5095, 39.2182, 88.9121



42.2510, 39.2182, 10.7172



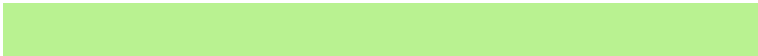
22.9546, 39.2182, 55.6479

Complementary

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



50.5095, 39.2182, 88.9121



56.8718, 75.8638, 38.4355

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.



23.0792, 39.2182, 30.4483



50.5095, 39.2182, 88.9121



33.2985, 39.2182, 10.5226

Square

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



50.5095, 39.2182, 88.9121



51.0865, 39.2182, 16.8555



26.5824, 39.2182, 16.1424



26.2095, 39.2182, 86.7379

Rectangle

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



50.5095, 39.2182, 88.9121



57.1912, 39.2182, 39.4454



26.5824, 39.2182, 16.1424



22.6210, 39.2182, 46.1329

Sweetspot

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



50.5109, 39.2198, 88.9130



81.5623, 79.6914, 105.6909



45.1418, 47.3047, 90.7565



17.1667, 16.6249, 22.5541



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.



50.5109, 39.2198, 88.9130



51.4291, 36.7975, 98.9998



61.5837, 45.0653, 83.2326



15.7875, 15.6877, 19.9175



14.7806, 6.6251, 45.6276



1.3424, 0.6093, 3.8011

Inverse Universe

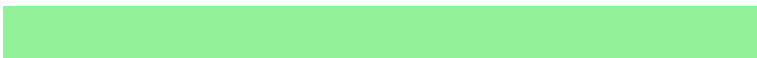
The Inverse Universe completely reimagines the original color for something new.



55.5015, 42.6324, 51.2042



58.1278, 41.3477, 49.7575



49.1872, 71.8276, 41.4465



16.0431, 15.8669, 17.7830



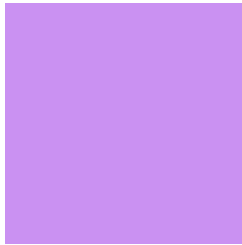
20.9660, 10.6588, 7.7373



1.7925, 0.9060, 0.8981

Previews

White Background



This preview shows how the XYZ color 50.5095, 39.2182, 88.9121 looks on a white background.

Color Contrast Check

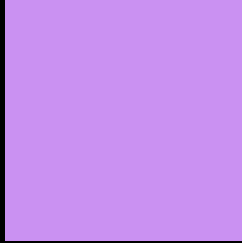
Large Text (above 18pt) WCAG AA × Fail

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 50.5095, 39.2182, 88.9121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

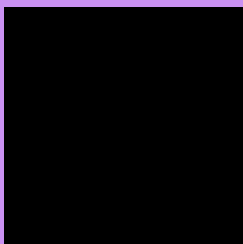
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5095, 39.2182, 88.9121

Background



This preview shows how black text looks on a background with the XYZ color 50.5095, 39.2182, 88.9121.



This preview shows how white text looks on a background with the XYZ color 50.5095, 39.2182,

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

50.5095, 39.2182, 88.9121

Protanopia

41.8217, 39.4486, 100.0178

Deuteranopia

40.5790, 39.6501, 86.4034



Tritanopia

41.5031, 39.1965, 44.4080

Trichromacy



Original Color

50.5095, 39.2182, 88.9121



Protanomaly

44.1801, 38.9329, 95.6287



Deuteranomaly

43.2880, 38.9208, 86.8923



Tritanomaly

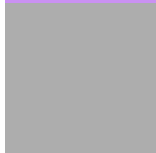
44.3051, 39.0760, 58.0306

Monochromacy



Original Color

50.5095, 39.2182, 88.9121



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

43.0574, 40.4619, 58.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5095, 39.2182, 88.9121 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(202, 145, 242)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 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(202, 145, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.5095, 39.2182, 88.9121 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(202, 145, 242) }
```


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

```
.border{ border-color:rgb(202, 145, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 242);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5095, 39.2182, 88.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 242) }
```

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

```
.background{ background-color: rgb(202,  
145, 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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