

Converting Colors

XYZ(45.6305, 39.4412, 87.8801)

Have a look what the booklet for
XYZ(45.6305, 39.4412, 87.8801)
contains.

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Color

**XYZ(45.5211, 39.2983,
87.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	B09CF0
RGB	176, 156, 240
RGB Percent	69%, 61%, 94%
CMY	0.3098, 0.3882, 0.0588
CMYK	0.27, 0.35, 0.00, 0.06
HSL	254°, 74%, 78%
HSV	254°, 35%, 94%
XYZ	45.5211, 39.2983, 87.6242
YIQ	171.5560, -15.0440, 30.3640

Conversions

Conversions Part 2

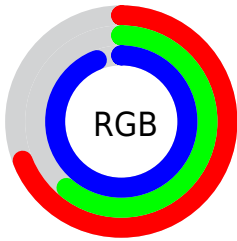
Format	Color
RYB	176, 156, 240
Decimal	11574512
CIELab	68.97, 24.96, -39.54
CIELCh	69, 46.756, 302.265
Yxy	39.2983, 0.2640, 0.2279
Android (android.graphics.Color)	4289764592 (0xFFB09CF0)
YUV	171.5560, 33.7429, 3.8974
Hunter-Lab	62.6884, 19.9130, -38.9922

Details

The XYZ color **45.5211, 39.2983, 87.6242** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.6771, 79.9370, 43.3691**, and the grayscale version is **38.8303, 40.8525, 44.4884**.

A 20% lighter version of the original color is **74.9485, 71.1322, 104.3874**, and **21.5885, 17.6288, 47.6123** is the 20% darker color. If you saturate the color by 10%, you get **38.0250, 30.0352, 86.2320**, and if you desaturate by 10%, it is **54.3726, 50.4428, 89.3095**.

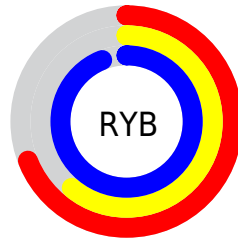
Distribution



Red (69%)

Green (61%)

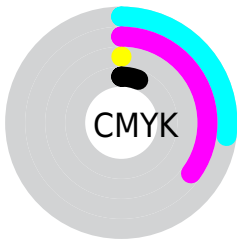
Blue (94%)



Red (69%)

Yellow (61%)

Blue (94%)

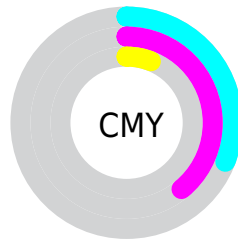


Cyan (27%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (31%)


Magenta (39%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5211, 39.2983, 87.6242 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 45.5211, 39.2983, 87.6242 by changing the saturation by 10% instead.


 45.5211, 39.2983,
87.6242

 45.5211, 39.2983,
87.6242

359.6282,
343.1571, 540.6412

 32.0711, 26.9919,
65.4493


 82.7341, 74.0938,
145.9404

 21.5716, 17.5671,
47.3719


 107.2278, 97.3517,
182.9188

 13.6573, 10.6396,
32.9733


136.1334,
125.0288, 225.6687

 7.9628, 5.8251,
21.8350

169.8164,
157.5095, 274.6088

 4.1228, 2.7390,
13.5386

208.6420,
195.1784, 330.1576

 1.7718, 0.9970,
7.6654

252.9756,

 0.5006, 0.0000,

238.4196, 392.7335

3.7969

303.1825,
287.6177, 462.7552

■ 0.0000, 0.0000,
1.5146

■ 0.0000, 0.0000,
0.2288

■ 45.5211, 39.2983,
87.6242

■ 45.5211, 39.2983,
87.6242

■ 38.0250, 30.0352,
86.2320

■ 54.3726, 50.4428,
89.3095

■ 31.8108, 22.5433,
85.1135

■ 64.6393, 63.5613,
91.3005

■ 26.8044, 16.7079,
84.2510

■ 76.3826, 78.7458,
93.6124

■ 22.9218, 12.3986,
83.6238

■ 89.6589, 96.0811,
96.2587

■ 20.0670, 9.4647,
83.2080

■ 92.7283, 99.0713,
96.6741

■ 18.1260, 7.7226,
82.9740

■ 17.4238, 7.1654,
82.9035

Harmonies

Analogous

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



37.9201, 39.2983, 98.1715



45.5211, 39.2983, 87.6242



51.4987, 39.2983, 64.8283

Triad

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



45.5211, 39.2983, 87.6242



44.4128, 39.2983, 15.8054



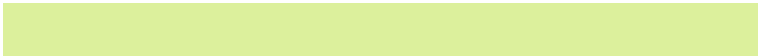
24.8033, 39.2983, 44.4290

Complementary

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



45.5211, 39.2983, 87.6242



66.6771, 79.9370, 43.3691

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.



26.0666, 39.2983, 26.4142



45.5211, 39.2983, 87.6242



36.7893, 39.2983, 13.5187

Square

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



45.5211, 39.2983, 87.6242



50.8014, 39.2983, 24.4324



30.2236, 39.2983, 16.6538



26.5140, 39.2983, 68.5990

Rectangle

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



45.5211, 39.2983, 87.6242



53.3963, 39.2983, 48.5436



30.2236, 39.2983, 16.6538



24.8940, 39.2983, 37.5085

Sweetspot

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



45.5225, 39.2998, 87.6251



80.6578, 81.2953, 106.0482



55.1380, 64.7570, 92.0320



16.8613, 16.8801, 22.6195



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.



45.5225, 39.2998, 87.6251



45.9464, 37.2984, 99.3854



56.4118, 44.9135, 88.1347



15.2496, 15.4104, 19.8924



9.6363, 3.9731, 45.3869



0.8876, 0.3748, 3.7798

Inverse Universe

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



60.7430, 47.4709, 73.6725



66.0270, 48.0936, 80.2983



55.6140, 74.2338, 42.8514



16.2839, 15.9633, 19.0515



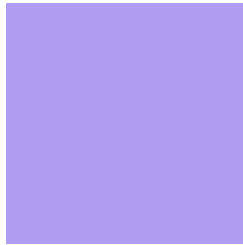
24.3967, 12.0311, 25.8032



2.0678, 1.0162, 2.3480

Previews

White Background



This preview shows how the XYZ color 45.5211, 39.2983, 87.6242 looks on a white background.

Color Contrast Check

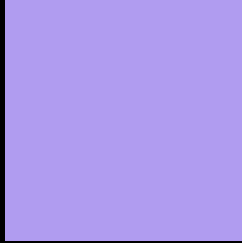
Large Text (above 18pt) WCAG AA × Fail

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 45.5211, 39.2983, 87.6242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

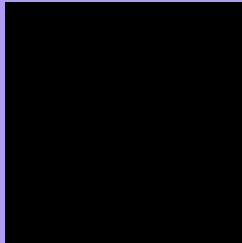
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5211, 39.2983, 87.6242

Background



This preview shows how black text looks on a background with the XYZ color 45.5211, 39.2983, 87.6242.



This preview shows how white text looks on a background with the XYZ color 45.5211, 39.2983,

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

45.5211, 39.2983, 87.6242

Protanopia

41.5640, 39.7125, 94.2816

Deuteranopia

40.5790, 39.6501, 86.4034



Tritanopia

37.8602, 39.3408, 49.3141

Trichromacy



Original Color

45.5211, 39.2983, 87.6242

Protanomaly

42.7282, 39.3033, 91.7205

Deuteranomaly

42.1947, 39.3949, 87.0414

Tritanomaly

40.2983, 39.2502, 61.3292

Monochromacy



Original Color

45.5211, 39.2983, 87.6242

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.9478, 40.1879, 58.4222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5211, 39.2983, 87.6242 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(176, 156, 240)` looks like.

```
.text, #text, p{  
    color:rgb(176, 156, 240)  
}
```

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(176, 156, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 156, 240) }
```

Border

The CSS property to change the border of an element to XYZ 45.5211, 39.2983, 87.6242 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(176, 156, 240) }
```


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

```
.border{ border-color:rgb(176, 156, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 156, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 156, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 156, 240);  
box-shadow:4px 4px 4px 4px rgb(176, 156,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5211, 39.2983, 87.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 156, 240) }
```

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

```
.background{ background-color: rgb(176,  
156, 240) }
```

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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