

Converting Colors

XYZ(51.1454, 44.7429, 90.2303)

Have a look what the booklet for
XYZ(51.1454, 44.7429, 90.2303)
contains.

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Color

**XYZ(51.1491, 44.7596,
89.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA6F2
RGB	191, 166, 242
RGB Percent	75%, 65%, 95%
CMY	0.2510, 0.3490, 0.0510
CMYK	0.21, 0.31, 0.00, 0.05
HSL	260°, 75%, 80%
HSV	260°, 31%, 95%
XYZ	51.1491, 44.7596, 89.9480
YIQ	182.1390, -9.4960, 28.9360

Conversions

Conversions Part 2

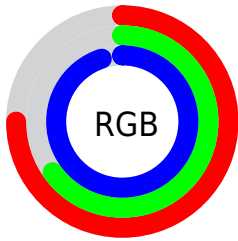
Format	Color
RYB	191, 166, 242
Decimal	12560114
CIELab	72.73, 24.22, -34.67
CIELCh	73, 42.297, 304.941
Yxy	44.7596, 0.2752, 0.2408
Android (android.graphics.Color)	4290750194 (0xFFBFA6F2)
YUV	182.1390, 29.5115, 7.7711
Hunter-Lab	66.9026, 19.3891, -32.8813

Details

The XYZ color **51.1491, 44.7596, 89.9480** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.2515, 81.0101, 48.1702**, and the grayscale version is **44.3884, 46.7001, 50.8564**.

A 20% lighter version of the original color is **82.6179, 78.8894, 105.4805**, and **25.0336, 20.8140, 49.1525** is the 20% darker color. If you saturate the color by 10%, you get **43.2971, 34.7851, 88.4373**, and if you desaturate by 10%, it is **60.2847, 56.6265, 91.7578**.

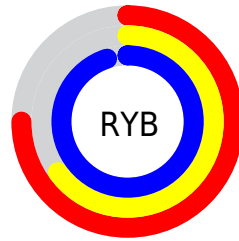
Distribution



Red (75%)

Green (65%)

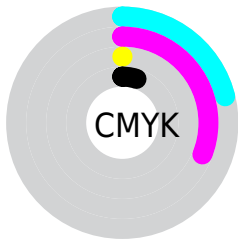
Blue (95%)



Red (75%)

Yellow (65%)

Blue (95%)

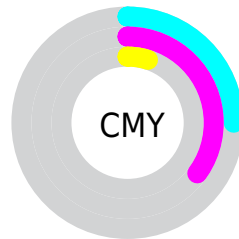


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (35%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1491, 44.7596, 89.9480 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 51.1491, 44.7596, 89.9480 by changing the saturation by 10% instead.


 51.1491, 44.7596,
89.9480

 51.1491, 44.7596,
89.9480

381.5209,
365.7991, 548.4274

 36.5488, 31.2681,
67.3640

 91.0568, 82.3595,
149.2011

 25.0304, 20.8031,
48.9171


 117.0949,
107.2368, 186.7072

 16.2286, 12.9801,
34.1886

147.6764,
136.6781, 230.0246

 9.7779, 7.4149,
22.7600

183.1665,
171.0678, 279.5716

 5.3131, 3.7229,
14.2127

223.9307,
210.7904, 335.7668

 2.4687, 1.5198,
8.1283

270.3342,

 0.8795, 0.3026,

256.2302, 399.0289

4.0882

322.7425,
307.7716, 469.7762

■ 0.0000, 0.0000,
1.6739

■ 0.0000, 0.0000,
0.3427

■ 51.1491, 44.7596,
89.9480

■ 51.1491, 44.7596,
89.9480

■ 43.2971, 34.7851,
88.4373

■ 60.2847, 56.6265,
91.7578

■ 36.6628, 26.5969,
87.2065

■ 70.7562, 70.4734,
93.8786

■ 31.1812, 20.0865,
86.2388

■ 82.6186, 86.3888,
96.3254

■ 26.7786, 15.1312,
85.5144

■ 93.0272, 99.1909,
98.2478

■ 23.3718, 11.5904,
85.0105

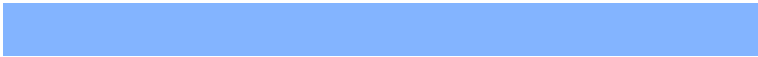
■ 20.8634, 9.2968,
84.7000

■ 19.3022, 8.0992,
84.5511

Harmonies

Analogous

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



43.7699, 44.7596, 101.1182



51.1491, 44.7596, 89.9480



56.6519, 44.7596, 67.9394

Triad

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



51.1491, 44.7596, 89.9480



48.8051, 44.7596, 20.5236



29.9733, 44.7596, 52.3007

Complementary

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



51.1491, 44.7596, 89.9480



67.2515, 81.0101, 48.1702

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.



30.9951, 44.7596, 33.5415



51.1491, 44.7596, 89.9480



41.3385, 44.7596, 18.5381

Square

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



51.1491, 44.7596, 89.9480



55.1932, 44.7596, 29.0570



34.9602, 44.7596, 22.5425



31.9899, 44.7596, 75.7458

Rectangle

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



51.1491, 44.7596, 89.9480



58.2074, 44.7596, 52.3876



34.9602, 44.7596, 22.5425



29.9754, 44.7596, 45.2574

Sweetspot

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



51.1506, 44.7614, 89.9490



82.7200, 83.4166, 106.3489



56.8084, 64.6275, 93.4854



17.3049, 17.3197, 22.6809



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.



51.1506, 44.7614, 89.9490



51.5229, 42.6518, 100.1248



61.6806, 50.1898, 90.4418



15.3870, 15.4812, 19.8988



10.4972, 4.4169, 45.4272



0.9743, 0.4195, 3.7838

Inverse Universe

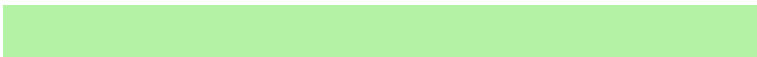
The Inverse Universe completely reimagines the original color for something new.



62.7798, 51.1611, 72.2132



66.8201, 51.0823, 76.2386



57.4433, 75.9538, 47.7112



16.2203, 15.9378, 18.7162



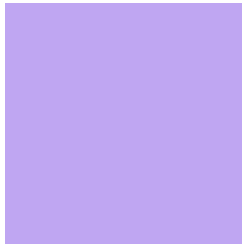
23.2595, 11.5762, 19.8149



1.9806, 0.9813, 1.8889

Previews

White Background



This preview shows how the XYZ color 51.1491, 44.7596, 89.9480 looks on a white background.

Color Contrast Check

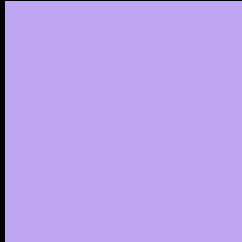
Large Text (above 18pt) WCAG AA × Fail

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 51.1491, 44.7596, 89.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

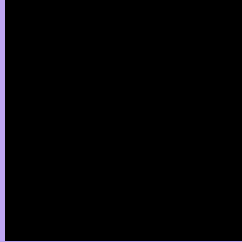
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1491, 44.7596, 89.9480

Background



This preview shows how black text looks on a background with the XYZ color 51.1491, 44.7596, 89.9480.



This preview shows how white text looks on a background with the XYZ color 51.1491, 44.7596,

89.9480.

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

51.1491, 44.7596, 89.9480

Protanopia

46.4910, 45.0207, 96.6820

Deuteranopia

46.1538, 45.0233, 88.6959



Tritanopia

44.1110, 44.7135, 55.0209

Trichromacy



Original Color

51.1491, 44.7596, 89.9480

Protanomaly

47.9032, 44.6555, 94.0903

Deuteranomaly

47.8633, 44.7402, 89.3321

Tritanomaly

46.2687, 44.4228, 66.4574

Monochromacy



Original Color

51.1491, 44.7596, 89.9480

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.4320, 45.7246, 63.5052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1491, 44.7596, 89.9480 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(191, 166, 242)` looks like.

```
.text, #text, p{  
    color:rgb(191, 166, 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(191, 166, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 166, 242) }
```

Border

The CSS property to change the border of an element to XYZ 51.1491, 44.7596, 89.9480 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(191, 166, 242) }
```


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

```
.border{ border-color:rgb(191, 166, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 166, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 166, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 166, 242); box-shadow:4px 4px 4px 4px rgb(191, 166, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1491, 44.7596, 89.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 166, 242) }
```

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

```
.background{ background-color: rgb(191,  
166, 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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