

Converting Colors

XYZ(46.4131, 35.5216, 87.6302)

Have a look what the booklet for
XYZ(46.4131, 35.5216, 87.6302)
contains.

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Color

**XYZ(46.4515, 35.6042,
87.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8AF1
RGB	191, 138, 241
RGB Percent	75%, 54%, 95%
CMY	0.2510, 0.4588, 0.0549
CMYK	0.21, 0.43, 0.00, 0.05
HSL	271°, 79%, 74%
HSV	271°, 43%, 95%
XYZ	46.4515, 35.6042, 87.6431
YIQ	165.5890, -1.4750, 43.2690

Conversions

Conversions Part 2

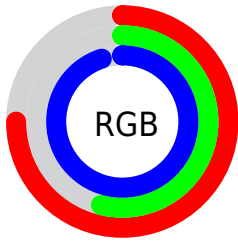
Format	Color
RYB	191, 138, 241
Decimal	12552945
CIELab	66.22, 39.46, -44.29
CIElCh	66, 59.322, 311.700
Yxy	35.6042, 0.2737, 0.2098
Android (android.graphics.Color)	4290743025 (0xFFBF8AF1)
YUV	165.5890, 37.1776, 22.2854
Hunter-Lab	59.6693, 34.5380, -45.3176

Details

The XYZ color **46.4515, 35.6042, 87.6431** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.7827, 75.4377, 35.6143**, and the grayscale version is **35.8755, 37.7439, 41.1031**.

A 20% lighter version of the original color is **75.9666, 65.0590, 103.1615**, and **22.0516, 15.4280, 47.1631** is the 20% darker color. If you saturate the color by 10%, you get **40.5444, 27.9837, 86.4841**, and if you desaturate by 10%, it is **53.3633, 44.8828, 89.0704**.

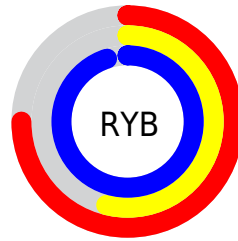
Distribution



Red (75%)

Green (54%)

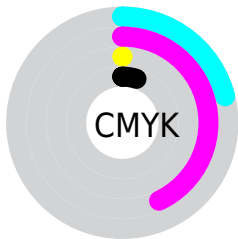
Blue (95%)



Red (75%)

Yellow (54%)

Blue (95%)

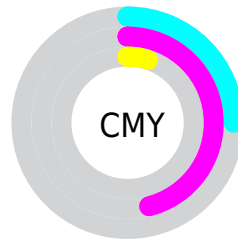


Cyan (21%)

Magenta (43%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (46%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4515, 35.6042, 87.6431 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 46.4515, 35.6042, 87.6431 by changing the saturation by 10% instead.


 46.4515, 35.6042,
87.6431


 46.4515, 35.6042,
87.6431


363.3065,
327.2273, 540.7047

 32.8084, 24.1287,
65.4649

 84.1180, 68.4207,
145.9669

 22.1382, 15.4291,
47.3844


 108.8722, 90.5305,
182.9496

 14.0757, 9.1211,
32.9831


 138.0607,
116.9538, 225.7042

 8.2554, 4.8202,
21.8425

172.0489,
148.0751, 274.6493

 4.3120, 2.1422,
13.5440

211.2023,
184.2786, 330.2033

 1.8801, 0.6882,
7.6691

255.8861,

 0.5652, 0.0000,

225.9489, 392.7849

3.7992

306.4657,
273.4703, 462.8125

■ 0.0000, 0.0000,
1.5159

■ 0.0000, 0.0000,
0.2297

■ 46.4515, 35.6042,
87.6431

■ 46.4515, 35.6042,
87.6431

■ 40.5444, 27.9837,
86.4841

■ 53.3633, 44.8828,
89.0704

■ 35.5813, 21.9116,
85.5737

■ 61.3278, 55.9112,
90.7793

■ 31.5003, 17.2713,
84.8931

■ 70.3942, 68.7792,
92.7852

■ 28.2290, 13.9268,
84.4200

■ 80.6075, 83.5691,
95.1016

■ 25.6809, 11.7142,
84.1272

■ 90.8818, 98.1022,
97.3653

■ 24.1911, 10.6368,
83.9978

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



37.4053, 35.6042, 108.6242



46.4515, 35.6042, 87.6431



52.6757, 35.6042, 56.1450

Triad

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



46.4515, 35.6042, 87.6431



39.4622, 35.6042, 8.4862



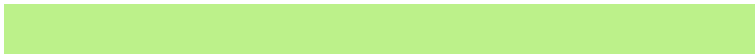
19.7783, 35.6042, 49.4980

Complementary

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



46.4515, 35.6042, 87.6431



56.7827, 75.4377, 35.6143

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.



20.1343, 35.6042, 25.4050



46.4515, 35.6042, 87.6431



30.5101, 35.6042, 7.9703

Square

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



46.4515, 35.6042, 87.6431



48.1812, 35.6042, 14.5669



23.7477, 35.6042, 12.5997



22.6719, 35.6042, 80.9939

Rectangle

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



46.4515, 35.6042, 87.6431



53.8283, 35.6042, 37.3408



23.7477, 35.6042, 12.5997



19.5376, 35.6042, 40.2289

Sweetspot

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



46.4528, 35.6056, 87.6439



79.6970, 77.7176, 105.4083



44.6650, 48.3661, 90.2012



16.5482, 15.9050, 22.4477



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.



46.4528, 35.6056, 87.6439



47.0825, 33.0640, 98.5082



61.2422, 43.2298, 88.3360



15.6730, 15.6287, 19.9122



13.2747, 5.8488, 45.5571



1.2192, 0.5458, 3.7953

Inverse Universe

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



54.4422, 40.5098, 52.5278



57.6531, 39.5489, 52.2176



46.5251, 70.1497, 35.1343



16.0925, 15.8867, 18.0434



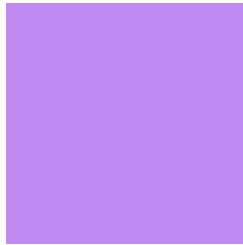
21.4799, 10.8644, 10.4438



1.8370, 0.9239, 1.1326

Previews

White Background



This preview shows how the XYZ color 46.4515, 35.6042, 87.6431 looks on a white background.

Color Contrast Check

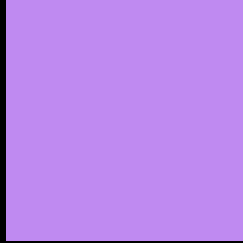
Large Text (above 18pt) WCAG AA × Fail

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 46.4515, 35.6042, 87.6431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

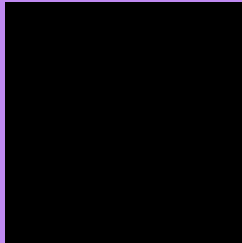
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4515, 35.6042, 87.6431

Background



This preview shows how black text looks on a background with the XYZ color 46.4515, 35.6042, 87.6431.



This preview shows how white text looks on a background with the XYZ color 46.4515, 35.6042,

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

46.4515, 35.6042, 87.6431

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.9101, 35.9232, 85.1093



Tritanopia

36.8907, 35.3662, 41.4412

Trichromacy



Original Color

46.4515, 35.6042, 87.6431



Protanomaly

40.5347, 35.3312, 95.1257



Deuteranomaly

39.6097, 35.3049, 85.6158



Tritanomaly

39.8559, 35.1421, 55.7214

Monochromacy



Original Color

46.4515, 35.6042, 87.6431



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.1933, 36.7411, 55.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4515, 35.6042, 87.6431 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, 138, 241)` looks like.

```
.text, #text, p{  
    color:rgb(191, 138, 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(191, 138, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 138, 241) }
```

Border

The CSS property to change the border of an element to XYZ 46.4515, 35.6042, 87.6431 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, 138, 241) }
```


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

```
.border{ border-color:rgb(191, 138, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 138, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 138, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 138, 241);  
box-shadow:4px 4px 4px 4px rgb(191, 138,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4515, 35.6042, 87.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 138, 241) }
```

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

```
.background{ background-color: rgb(191,  
138, 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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