

Converting Colors

XYZ(45.9838, 41.6848, 84.0715)

Have a look what the booklet for
XYZ(45.9838, 41.6848, 84.0715)
contains.

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Color

**XYZ(45.9501, 41.6630,
84.2172)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA4EB
RGB	175, 164, 235
RGB Percent	69%, 64%, 92%
CMY	0.3137, 0.3568, 0.0784
CMYK	0.26, 0.30, 0.00, 0.08
HSL	249°, 64%, 78%
HSV	249°, 30%, 92%
XYZ	45.9501, 41.6630, 84.2172
YIQ	175.3830, -16.2350, 24.4130

Conversions

Conversions Part 2

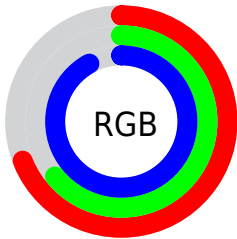
Format	Color
R_{YB}	175, 164, 235
Decimal	11511019
CIE _{Lab}	70.64, 18.98, -34.21
CIE _{LCh}	71, 39.125, 299.023
Yxy	41.6630, 0.2674, 0.2425
Android (android.graphics.Color)	4289701099 (0xFFAFA4EB)
YUV	175.3830, 29.3912, -0.3359
Hunter-Lab	64.5469, 14.1148, -32.1755

Details

The XYZ color **45.9501, 41.6630, 84.2172** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.1505, 77.9451, 46.6292**, and the grayscale version is **40.8055, 42.9306, 46.7514**.

A 20% lighter version of the original color is **76.6602, 75.0388, 105.0513**, and **21.8160, 18.9080, 45.1476** is the 20% darker color. If you saturate the color by 10%, you get **37.9926, 31.8846, 82.7499**, and if you desaturate by 10%, it is **55.3430, 53.3366, 85.9761**.

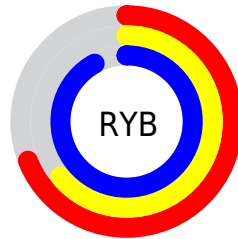
Distribution



Red (69%)

Green (64%)

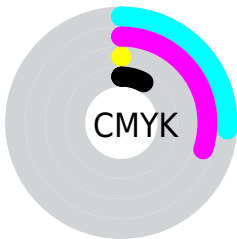
Blue (92%)



Red (69%)

Yellow (64%)

Blue (92%)

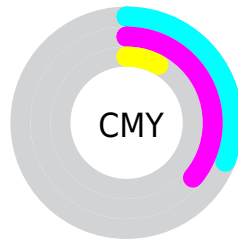


Cyan (26%)

Magenta (30%)

Yellow (0%)

Black (8%)



Cyan (31%)


Magenta (36%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9501, 41.6630, 84.2172 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 45.9501, 41.6630, 84.2172 by changing the saturation by 10% instead.


 45.9501, 41.6630,
84.2172


 45.9501, 41.6630,
84.2172


361.3273,
353.0840, 529.1111

 32.4109, 28.8375,
62.6484


 83.3726, 77.6893,
141.1434

 21.8326, 18.9579,
45.1176


 107.9867,
101.6590, 177.3378

 13.8499, 11.6399,
31.2065


137.0231,
130.1121, 219.2445

 8.0973, 6.4990,
20.4963

170.8471,
163.4331, 267.2821

 4.2096, 3.1508,
12.5687

209.8242,
202.0064, 321.8689

 1.8214, 1.2110,
7.0050

254.3197,

 0.5305, 0.0706,

246.2164, 383.4237

3.3867

304.6990,
296.4475, 452.3649

■ 0.0000, 0.0000,
1.2953

■ 0.0000, 0.0000,
0.0580

■ 45.9501, 41.6630,
84.2172

■ 45.9501, 41.6630,
84.2172

■ 37.9926, 31.8846,
82.7499

■ 55.3430, 53.3366,
85.9761

■ 31.3948, 23.8961,
81.5557

■ 66.2333, 66.9934,
88.0381

■ 26.0806, 17.5893,
80.6185

■ 78.6846, 82.7219,
90.4178

■ 21.9643, 12.8423,
79.9191

■ 91.7897, 98.6721,
92.8058

■ 18.9496, 9.5163,
79.4361

■ 91.9955, 98.7782,
92.8154

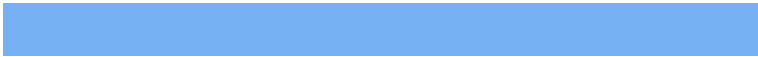
■ 16.9244, 7.4475,
79.1435

■ 15.7375, 6.3807,
79.0001

Harmonies

Analogous

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



39.3876, 41.6630, 91.1529



45.9501, 41.6630, 84.2172



51.2580, 41.6630, 66.2950

Triad

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



45.9501, 41.6630, 84.2172



46.3572, 41.6630, 21.1516



28.4129, 41.6630, 44.7589

Complementary

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



45.9501, 41.6630, 84.2172



67.1505, 77.9451, 46.6292

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.



29.8580, 41.6630, 29.3795



45.9501, 41.6630, 84.2172



39.8120, 41.6630, 18.2424

Square

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



45.9501, 41.6630, 84.2172



51.5104, 41.6630, 30.1746



33.8626, 41.6630, 20.7883



29.6826, 41.6630, 64.9485

Rectangle

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



45.9501, 41.6630, 84.2172



53.1180, 41.6630, 52.4955



33.8626, 41.6630, 20.7883



28.5944, 41.6630, 38.9094

Sweetspot

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



45.9515, 41.6647, 84.2182



81.3820, 82.7268, 106.2863



57.0562, 67.3914, 88.5986



16.9775, 17.1508, 22.6656



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.



45.9515, 41.6647, 84.2182



49.4107, 42.8823, 100.2806



54.8932, 46.2742, 84.6366



14.4485, 14.6609, 18.9906



8.8259, 3.5858, 43.9699



0.7592, 0.3157, 3.4558

Inverse Universe

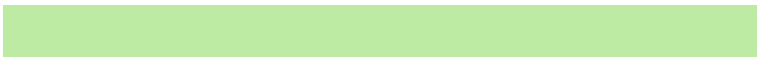
The Inverse Universe completely reimagines the original color for something new.



60.9920, 49.5963, 76.8801



70.2166, 53.8630, 89.7403



57.3594, 72.8976, 46.1710



15.6087, 15.2713, 18.4906



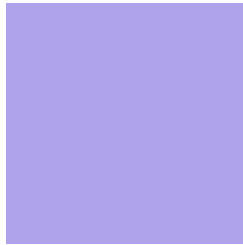
24.8175, 12.1297, 31.1698



1.9758, 0.9633, 2.5901

Previews

White Background



This preview shows how the XYZ color 45.9501, 41.6630, 84.2172 looks on a white background.

Color Contrast Check

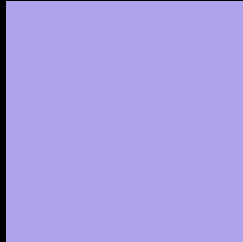
Large Text (above 18pt) WCAG AA × Fail

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 45.9501, 41.6630, 84.2172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

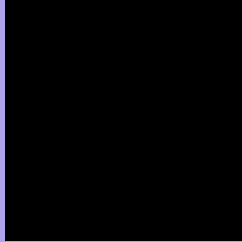
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9501, 41.6630, 84.2172

Background



This preview shows how black text looks on a background with the XYZ color 45.9501, 41.6630, 84.2172.



This preview shows how white text looks on a background with the XYZ color 45.9501, 41.6630,

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

45.9501, 41.6630, 84.2172

Protanopia

43.0518, 41.7161, 88.2210

Deuteranopia

42.7436, 41.6585, 83.6300



Tritanopia

39.6391, 41.5820, 52.9506

Trichromacy



Original Color

45.9501, 41.6630, 84.2172

Protanomaly

43.9325, 41.6519, 86.6130

Deuteranomaly

43.7542, 41.6272, 83.5707

Tritanomaly

41.6360, 41.5441, 62.9511

Monochromacy



Original Color

45.9501, 41.6630, 84.2172

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.3202, 42.2710, 58.7519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9501, 41.6630, 84.2172 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(175, 164, 235)` looks like.

```
.text, #text, p{  
    color:rgb(175, 164, 235)  
}
```

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(175, 164, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 164, 235) }
```

Border

The CSS property to change the border of an element to XYZ 45.9501, 41.6630, 84.2172 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(175, 164, 235) }
```


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

```
.border{ border-color:rgb(175, 164, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 164, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 164, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 164, 235);  
box-shadow:4px 4px 4px 4px rgb(175, 164,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9501, 41.6630, 84.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 164, 235) }
```

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

```
.background{ background-color: rgb(175,  
164, 235) }
```

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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