

Converting Colors

XYZ(48.7521, 45.7636, 84.5593)

Have a look what the booklet for
XYZ(48.7521, 45.7636, 84.5593)
contains.

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Color

**XYZ(48.9538, 45.9736,
84.8909)**

Conversions

Conversions Part 1

Format	Color
Hex	B4AEEB
RGB	180, 174, 235
RGB Percent	71%, 68%, 92%
CMY	0.2941, 0.3176, 0.0784
CMYK	0.23, 0.26, 0.00, 0.08
HSL	246°, 60%, 80%
HSV	246°, 26%, 92%
XYZ	48.9538, 45.9736, 84.8909
YIQ	182.7480, -16.0050, 20.2430

Conversions

Conversions Part 2

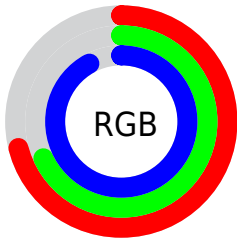
Format	Color
R_{YB}	180, 174, 235
Decimal	11841259
CIE _{Lab}	73.53, 14.89, -29.72
CIE _{LCh}	74, 33.240, 296.620
Yxy	45.9736, 0.2722, 0.2557
Android (android.graphics.Color)	4290031339 (0xFFB4AEEB)
YUV	182.7480, 25.7602, -2.4100
Hunter-Lab	67.8038, 10.2188, -26.7688

Details

The XYZ color **48.9538, 45.9736, 84.8909** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.6629, 79.1318, 51.6488**, and the grayscale version is **44.7427, 47.0728, 51.2623**.

A 20% lighter version of the original color is **80.9944, 81.2631, 106.0242**, and **23.7004, 21.6094, 45.5697** is the 20% darker color. If you saturate the color by 10%, you get **40.2435, 35.3239, 83.2952**, and if you desaturate by 10%, it is **59.2154, 58.6041, 86.7888**.

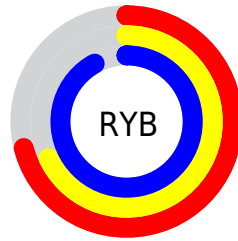
Distribution



Red (71%)

Green (68%)

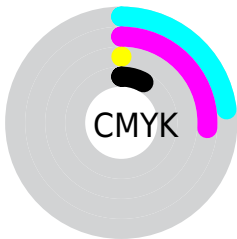
Blue (92%)



Red (71%)

Yellow (68%)

Blue (92%)

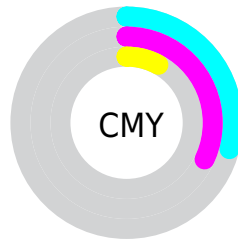


Cyan (23%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (29%)

Magenta (32%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9538, 45.9736, 84.8909 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 48.9538, 45.9736, 84.8909 by changing the saturation by 10% instead.

■ 48.9538, 45.9736,
84.8909

■ 48.9538, 45.9736,
84.8909

373.0804,
370.7025, 531.4022

■ 34.7972, 32.2250,
63.2016

■ 87.8240, 84.1795,
142.0935

■ 23.6725, 21.5334,
45.5623

113.2683,
109.4056, 178.4440

■ 15.2143, 13.5145,
31.5544

143.2058,
139.2262, 220.5185

■ 9.0572, 7.7838,
20.7594

178.0021,
174.0259, 268.7358

■ 4.8359, 3.9569,
12.7587

218.0223,
214.1890, 323.5142

■ 2.1851, 1.6495,
7.1338

263.6318,

■ 0.7349, 0.3906,

260.0998, 385.2724

3.4662

315.1961,
312.1429, 454.4289

■ 0.0000, 0.0000,
1.3373

■ 0.0000, 0.0000,
0.0921

■ 48.9538, 45.9736,
84.8909

■ 48.9538, 45.9736,
84.8909

■ 40.2435, 35.3239,
83.2952

■ 59.2154, 58.6041,
86.7888

■ 33.0046, 26.5492,
81.9830

■ 71.0940, 73.3031,
88.9999

■ 27.1565, 19.5421,
80.9387

■ 84.6573, 90.1597,
91.5387

■ 22.6094, 14.1822,
80.1438

■ 91.9955, 98.7782,
92.8154

■ 19.2627, 10.3337,
79.5774

■ 17.0007, 7.8394,
79.2151

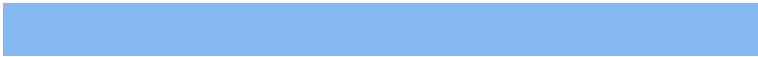
■ 15.6844, 6.5065,
79.0272

■ 15.3514, 6.1817,
78.9821

Harmonies

Analogous

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



43.0342, 45.9736, 89.7766



48.9538, 45.9736, 84.8909



53.8200, 45.9736, 70.0410

Triad

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



48.9538, 45.9736, 84.8909



50.2082, 45.9736, 27.6183



33.3660, 45.9736, 48.1750

Complementary

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



48.9538, 45.9736, 84.8909



69.6629, 79.1318, 51.6488

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.



34.9295, 45.9736, 34.2899



48.9538, 45.9736, 84.8909



44.3656, 45.9736, 24.2176

Square

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



48.9538, 45.9736, 84.8909



54.5886, 45.9736, 36.9206



38.8298, 45.9736, 26.3555



34.3592, 45.9736, 65.9905

Rectangle

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



48.9538, 45.9736, 84.8909



55.6280, 45.9736, 57.9199



38.8298, 45.9736, 26.3555



33.6062, 45.9736, 42.9408

Sweetspot

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



48.9553, 45.9754, 84.8919



82.4376, 84.3447, 106.5430



60.7260, 71.5453, 89.2070



17.1687, 17.4632, 22.7158



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.



48.9553, 45.9754, 84.8919



53.2666, 48.4073, 101.1438



56.5929, 49.9127, 85.2494



14.3686, 14.6198, 18.9868



8.5914, 3.4650, 43.9590



0.7213, 0.2961, 3.4540

Inverse Universe

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



63.5413, 53.5933, 81.1262



73.5790, 59.0204, 95.6929



61.0136, 74.6730, 51.2440



15.6472, 15.2867, 18.6936



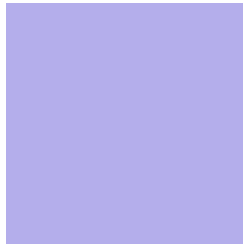
25.7007, 12.4830, 35.8207



2.0367, 0.9876, 2.9104

Previews

White Background



This preview shows how the XYZ color 48.9538, 45.9736, 84.8909 looks on a white background.

Color Contrast Check

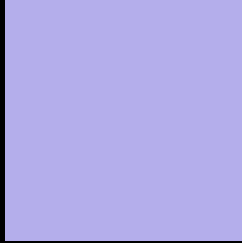
Large Text (above 18pt) WCAG AA × Fail

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 48.9538, 45.9736, 84.8909 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 48.9538, 45.9736, 84.8909

Background



This preview shows how black text looks on a background with the XYZ color 48.9538, 45.9736, 84.8909.



This preview shows how white text looks on a background with the XYZ color 48.9538, 45.9736,

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

48.9538, 45.9736, 84.8909

Protanopia

46.6629, 45.9063, 87.2903

Deuteranopia

46.9356, 45.8198, 84.2122



Tritanopia

43.7213, 45.9175, 58.7832

Trichromacy



Original Color

48.9538, 45.9736, 84.8909

Protanomaly

47.5858, 46.1048, 86.5118

Deuteranomaly

47.6102, 45.8754, 84.1874

Tritanomaly

45.4577, 45.7240, 67.4025

Monochromacy



Original Color

48.9538, 45.9736, 84.8909

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.2733, 46.8519, 62.4816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9538, 45.9736, 84.8909 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(180, 174, 235)` looks like.

```
.text, #text, p{  
    color:rgb(180, 174, 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(180, 174, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 174, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.9538, 45.9736, 84.8909 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(180, 174, 235) }
```


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

```
.border{ border-color:rgb(180, 174, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 174, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 174, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 174, 235);  
box-shadow:4px 4px 4px 4px rgb(180, 174,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9538, 45.9736, 84.8909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 174, 235) }
```

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

```
.background{ background-color: rgb(180,  
174, 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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