

Converting Colors

XYZ(50.9359, 49.0707, 84.3321)

Have a look what the booklet for
XYZ(50.9359, 49.0707, 84.3321)
contains.

XYZ(50.9036, 49.0555, 84.6277)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.9036, 49.0555,
84.6277)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B5EA
RGB	183, 181, 234
RGB Percent	72%, 71%, 92%
CMY	0.2823, 0.2902, 0.0823
CMYK	0.22, 0.23, 0.00, 0.08
HSL	242°, 56%, 81%
HSV	242°, 23%, 92%
XYZ	50.9036, 49.0555, 84.6277
YIQ	187.6400, -15.8210, 16.9070

Conversions

Conversions Part 2

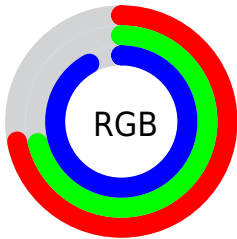
Format	Color
R _Y B	183, 181, 234
Decimal	12039658
CIE Lab	75.49, 11.71, -26.15
CIE LCh	75, 28.653, 294.120
Yxy	49.0555, 0.2758, 0.2658
Android (android.graphics.Color)	4290229738 (0xFFB7B5EA)
YUV	187.6400, 22.8555, -4.0693
Hunter-Lab	70.0396, 7.1614, -22.6114

Details

The XYZ color **50.9036, 49.0555, 84.6277** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.0435, 79.3388, 55.2876**, and the grayscale version is **47.4781, 49.9507, 54.3963**.

A 20% lighter version of the original color is **84.2694, 86.3136, 106.8265**, and **24.8083, 23.3198, 45.3131** is the 20% darker color. If you saturate the color by 10%, you get **41.6052, 37.7830, 82.9428**, and if you desaturate by 10%, it is **61.8610, 62.3718, 86.6213**.

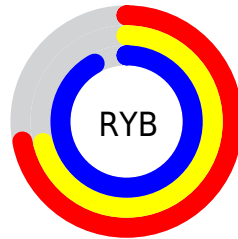
Distribution



Red (72%)

Green (71%)

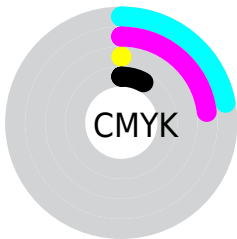
Blue (92%)



Red (72%)

Yellow (71%)

Blue (92%)

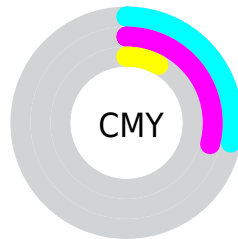


Cyan (22%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (28%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9036, 49.0555, 84.6277 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 50.9036, 49.0555, 84.6277 by changing the saturation by 10% instead.

■ 50.9036, 49.0555,
84.6277

■ 50.9036, 49.0555,
84.6277

380.5830,
382.9608, 530.5078

■ 36.3526, 34.6635,
62.9854

■ 90.6961, 88.7739,
141.7224

■ 24.8780, 23.4038,
45.3885

116.6683,
114.8691, 178.0120

■ 16.1145, 14.8919,
31.4184

147.1784,
145.6341, 220.0210

■ 9.6965, 8.7436,
20.6565

182.5916,
181.4533, 268.1681

■ 5.2589, 4.5743,
12.6844

223.2733,
222.7113, 322.8718

■ 2.4363, 1.9997,
7.0834

269.5888,

■ 0.8632, 0.6073,

269.7922, 384.5506

3.4351

321.9036,
323.0806, 453.6231

■ 0.0000, 0.0000,
1.3208

■ 0.0000, 0.0000,
0.0788

■ 50.9036, 49.0555,
84.6277

■ 50.9036, 49.0555,
84.6277

■ 41.6052, 37.7830,
82.9428

■ 61.8610, 62.3718,
86.6213

■ 33.8806, 28.4476,
81.5480

■ 74.5479, 77.8198,
88.9344

■ 27.6440, 20.9420,
80.4280

■ 89.0361, 95.4893,
91.5813

■ 22.7998, 15.1461,
79.5646

■ 91.8514, 98.7206,
92.0567

■ 19.2409, 10.9253,
78.9375

■ 16.8448, 8.1250,
78.5232

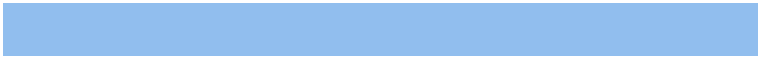
■ 15.4654, 6.5593,
78.2937

■ 14.9619, 5.9975,
78.2118

Harmonies

Analogous

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



45.5922, 49.0555, 87.9150



50.9036, 49.0555, 84.6277



55.3551, 49.0555, 72.3539

Triad

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



50.9036, 49.0555, 84.6277



52.8399, 49.0555, 33.1296



37.2288, 49.0555, 50.4860

Complementary

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



50.9036, 49.0555, 84.6277



71.0435, 79.3388, 55.2876

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.



38.8661, 49.0555, 38.1049



50.9036, 49.0555, 84.6277



47.6749, 49.0555, 29.3753

Square

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



50.9036, 49.0555, 84.6277



56.5309, 49.0555, 42.3795



42.5946, 49.0555, 31.0076



37.9511, 49.0555, 66.2126

Rectangle

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



50.9036, 49.0555, 84.6277



57.1006, 49.0555, 61.7804



42.5946, 49.0555, 31.0076



37.5173, 49.0555, 45.8376

Sweetspot

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



50.9052, 49.0575, 84.6288



83.5782, 86.0218, 106.8066



62.8311, 73.6102, 88.7394



17.6882, 18.1675, 22.8244



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.



50.9052, 49.0575, 84.6288



56.5640, 53.1875, 101.8927



57.7468, 52.5845, 84.9490



14.2837, 14.5760, 18.9829



8.4311, 3.3823, 43.9514



0.6806, 0.2752, 3.4521

Inverse Universe

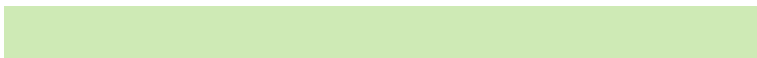
The Inverse Universe completely reimagines the original color for something new.



65.0225, 56.3682, 83.7987



76.4652, 63.4949, 100.6564



63.1444, 75.2667, 54.9180



15.6888, 15.3034, 18.9127



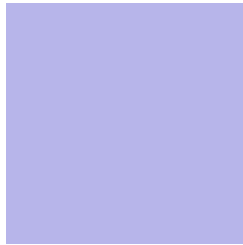
26.7294, 12.8944, 41.2377



2.1066, 1.0156, 3.2786

Previews

White Background



This preview shows how the XYZ color 50.9036, 49.0555, 84.6277 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 50.9036, 49.0555, 84.6277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

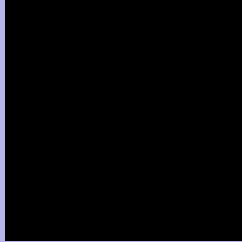
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9036, 49.0555, 84.6277

Background



This preview shows how black text looks on a background with the XYZ color 50.9036, 49.0555, 84.6277.



This preview shows how white text looks on a background with the XYZ color 50.9036, 49.0555,

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

50.9036, 49.0555, 84.6277

Protanopia

49.5144, 49.2213, 86.2479

Deuteranopia

50.1696, 48.9801, 84.6518



Tritanopia

46.5625, 49.1520, 62.9103

Trichromacy



Original Color

50.9036, 49.0555, 84.6277

Protanomaly

50.0603, 49.2122, 85.4577

Deuteranomaly

50.4016, 49.0997, 84.6626

Tritanomaly

48.0770, 49.1367, 70.5687

Monochromacy



Original Color

50.9036, 49.0555, 84.6277

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.6181, 49.5448, 64.7583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9036, 49.0555, 84.6277 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(183, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(183, 181, 234)  
}
```

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(183, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 181, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.9036, 49.0555, 84.6277 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(183, 181, 234) }
```


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

```
.border{ border-color:rgb(183, 181, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 181, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 181, 234);  
box-shadow:4px 4px 4px 4px rgb(183, 181,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9036, 49.0555, 84.6277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 181, 234) }
```

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

```
.background{ background-color: rgb(183,  
181, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor