

Converting Colors

XYZ(48.3437, 44.2400, 87.5051)

Have a look what the booklet for
XYZ(48.3437, 44.2400, 87.5051)
contains.

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Color

**XYZ(48.3584, 44.1916,
87.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A9EF
RGB	179, 169, 239
RGB Percent	70%, 66%, 94%
CMY	0.2980, 0.3372, 0.0627
CMYK	0.25, 0.29, 0.00, 0.06
HSL	249°, 69%, 80%
HSV	249°, 29%, 94%
XYZ	48.3584, 44.1916, 87.6424
YIQ	179.9700, -16.5100, 23.8900

Conversions

Conversions Part 2

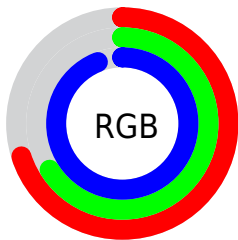
Format	Color
R _Y B	179, 169, 239
Decimal	11774447
CIE Lab	72.36, 18.31, -33.71
CIE LCh	72, 38.359, 298.518
Yxy	44.1916, 0.2684, 0.2452
Android (android.graphics.Color)	4289964527 (0xFFB3A9EF)
YUV	179.9700, 29.1018, -0.8507
Hunter-Lab	66.4768, 13.5152, -31.6337

Details

The XYZ color **48.3584, 44.1916, 87.6424** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.3420, 81.2565, 49.5145**, and the grayscale version is **43.2227, 45.4737, 49.5208**.

A 20% lighter version of the original color is **79.2977, 78.3642, 105.5541**, and **23.3660, 20.5015, 47.5254** is the 20% darker color. If you saturate the color by 10%, you get **39.9239, 33.8361, 86.0889**, and if you desaturate by 10%, it is **58.3119, 56.5385, 89.5017**.

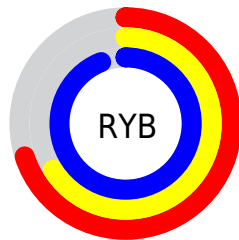
Distribution



Red (70%)

Green (66%)

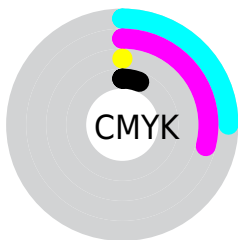
Blue (94%)



Red (70%)

Yellow (66%)

Blue (94%)

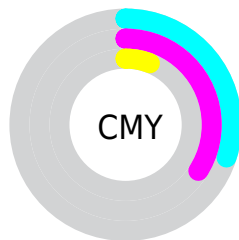


Cyan (25%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (30%)


Magenta (34%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3584, 44.1916, 87.6424 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 48.3584, 44.1916, 87.6424 by changing the saturation by 10% instead.


 48.3584, 44.1916,
87.6424


 48.3584, 44.1916,
87.6424


370.7700,
363.4896, 540.7024

 34.3232, 30.8212,
65.4643

 86.9443, 81.5060,
145.9660

 23.3061, 20.4627,
47.3839

 112.2257,
106.2187, 182.9485

 14.9416, 12.7318,
32.9828


141.9865,
135.4810, 225.7029

 8.8645, 7.2441,
21.8422

176.5922,
169.6772, 274.6478

 4.7093, 3.6153,
13.5438

216.4080,
209.1918, 330.2016

 2.1107, 1.4608,
7.6690

261.7993,

 0.6950, 0.2609,

254.4091, 392.7830

3.7991

313.1315,
305.7136, 462.8104

■ 0.0000, 0.0000,
1.5158

■ 0.0000, 0.0000,
0.2297

■ 48.3584, 44.1916,
87.6424

■ 48.3584, 44.1916,
87.6424

■ 39.9239, 33.8361,
86.0889

■ 58.3119, 56.5385,
89.5017

■ 32.9287, 25.3622,
84.8220

■ 69.8499, 70.9683,
91.6788

■ 27.2926, 18.6574,
83.8248

■ 83.0395, 87.5733,
94.1888

■ 22.9254, 13.5950,
83.0779

■ 92.5801, 99.0121,
95.8938

■ 19.7259, 10.0311,
82.5586

■ 17.5766, 7.7967,
82.2406

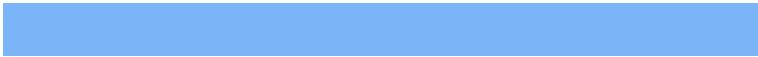
■ 16.3124, 6.6370,
82.0834

■ 16.2446, 6.5746,
82.0749

Harmonies

Analogous

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



41.6755, 44.1916, 94.3671



48.3584, 44.1916, 87.6424



53.7827, 44.1916, 69.7046

Triad

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



48.3584, 44.1916, 87.6424



48.9855, 44.1916, 23.2992



30.5499, 44.1916, 47.1834

Complementary

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



48.3584, 44.1916, 87.6424



70.3420, 81.2565, 49.5145

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.



32.0823, 44.1916, 31.5219



48.3584, 44.1916, 87.6424



42.3318, 44.1916, 20.1601

Square

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



48.3584, 44.1916, 87.6424



54.1706, 44.1916, 32.7658



36.2300, 44.1916, 22.7244



31.8088, 44.1916, 67.6412

Rectangle

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



48.3584, 44.1916, 87.6424



55.7086, 44.1916, 55.7211



36.2300, 44.1916, 22.7244



30.7523, 44.1916, 41.2385

Sweetspot

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



48.3599, 44.1934, 87.6434



81.2903, 82.6795, 106.2820



60.1475, 71.0764, 92.2111



16.9550, 17.1393, 22.6645



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.



48.3599, 44.1934, 87.6434



50.1159, 43.9259, 100.4449



57.3066, 48.8056, 88.0621



15.1073, 15.3370, 19.8857



9.0417, 3.6666, 45.3590



0.8166, 0.3382, 3.7765

Inverse Universe

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



63.9285, 52.3853, 80.8715



70.8954, 54.8675, 91.0551



60.4488, 76.1563, 49.0515



16.3515, 15.9903, 19.4071



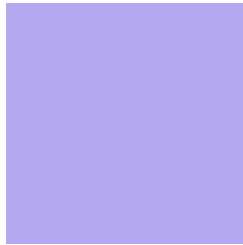
25.7890, 12.5880, 33.1351



2.1718, 1.0577, 2.8953

Previews

White Background



This preview shows how the XYZ color 48.3584, 44.1916, 87.6424 looks on a white background.

Color Contrast Check

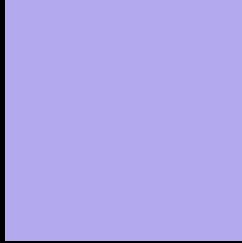
Large Text (above 18pt) WCAG AA × Fail

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 48.3584, 44.1916, 87.6424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

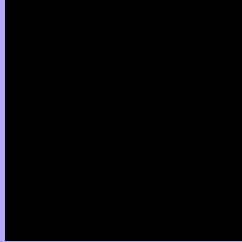
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3584, 44.1916, 87.6424

Background



This preview shows how black text looks on a background with the XYZ color 48.3584, 44.1916, 87.6424.



This preview shows how white text looks on a background with the XYZ color 48.3584, 44.1916,

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

48.3584, 44.1916, 87.6424

Protanopia

45.5637, 44.3597, 91.7488

Deuteranopia

45.4605, 44.4101, 87.0649



Tritanopia

42.0124, 44.1926, 56.1849

Trichromacy



Original Color

48.3584, 44.1916, 87.6424

Protanomaly

46.4876, 44.2973, 90.1045

Deuteranomaly

46.5246, 44.3850, 87.0040

Tritanomaly

44.0722, 44.1476, 66.5201

Monochromacy



Original Color

48.3584, 44.1916, 87.6424

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.8903, 44.9710, 61.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3584, 44.1916, 87.6424 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(179, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(179, 169, 239)  
}
```

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(179, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 48.3584, 44.1916, 87.6424 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(179, 169, 239) }
```


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

```
.border{ border-color:rgb(179, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(179, 169,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3584, 44.1916, 87.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 169, 239) }
```

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

```
.background{ background-color: rgb(179,  
169, 239) }
```

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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