

Converting Colors

XYZ(46.6206, 43.3998, 84.4031)

Have a look what the booklet for
XYZ(46.6206, 43.3998, 84.4031)
contains.

XYZ(46.6389, 43.3728, 84.5109)	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(46.6389, 43.3728,
84.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA9EB
RGB	174, 169, 235
RGB Percent	68%, 66%, 92%
CMY	0.3176, 0.3372, 0.0784
CMYK	0.26, 0.28, 0.00, 0.08
HSL	245°, 62%, 79%
HSV	245°, 28%, 92%
XYZ	46.6389, 43.3728, 84.5109
YIQ	178.0190, -18.2060, 21.5860

Conversions

Conversions Part 2

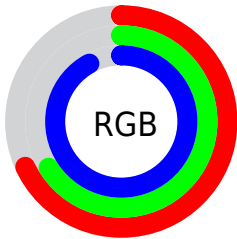
Format	Color
RYB	174, 169, 235
Decimal	11446763
CIELab	71.81, 15.89, -32.41
CIELCh	72, 36.096, 296.123
Yxy	43.3728, 0.2672, 0.2485
Android (android.graphics.Color)	4289636843 (0xFFAEA9EB)
YUV	178.0190, 28.0916, -3.5247
Hunter-Lab	65.8580, 11.1574, -29.9820

Details

The XYZ color **46.6389, 43.3728, 84.5109** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.5042, 79.1053, 49.1435**, and the grayscale version is **42.1912, 44.3884, 48.3390**.

A 20% lighter version of the original color is **77.3388, 77.3543, 105.4624**, and **22.2437, 19.9703, 45.3301** is the 20% darker color. If you saturate the color by 10%, you get **38.1999, 33.1060, 82.9747**, and if you desaturate by 10%, it is **56.6489, 55.6178, 86.3476**.

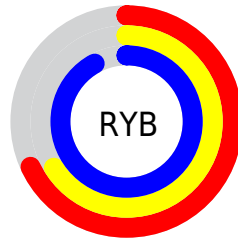
Distribution



Red (68%)

Green (66%)

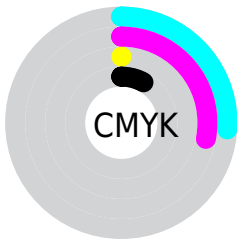
Blue (92%)



Red (68%)

Yellow (66%)

Blue (92%)

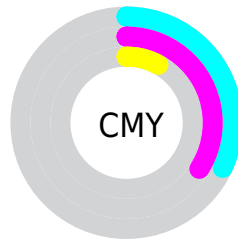


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (34%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6389, 43.3728, 84.5109 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 46.6389, 43.3728, 84.5109 by changing the saturation by 10% instead.

■ 46.6389, 43.3728,
84.5109

■ 46.6389, 43.3728,
84.5109

364.0443,
360.1427, 530.1106

■ 32.9570, 30.1777,
62.8895

■ 84.3964, 80.2731,
141.5577

■ 22.2526, 19.9735,
45.3114

109.2027,
104.7472, 177.8202

■ 14.1603, 12.3758,
31.3580

138.4479,
133.7497, 219.8002

■ 8.3147, 7.0002,
20.6109

172.4973,
167.6650, 267.9161

■ 4.3504, 3.4622,
12.6514

211.7163,
206.8776, 322.5866

■ 1.9022, 1.3775,
7.0611

256.4703,

■ 0.5781, 0.2001,

251.7718, 384.2301

3.4213

307.1245,
302.7320, 453.2653

■ 0.0000, 0.0000,
1.3136

■ 0.0000, 0.0000,
0.0729

■ 46.6389, 43.3728,
84.5109

■ 46.6389, 43.3728,
84.5109

■ 38.1999, 33.1060,
82.9747

■ 56.6489, 55.6178,
86.3476

■ 31.2480, 24.7086,
81.7203

■ 68.2995, 69.9316,
88.4964

■ 25.6978, 18.0693,
80.7313

■ 81.6615, 86.4059,
90.9720

■ 21.4538, 13.0630,
79.9887

■ 91.9955, 98.7782,
92.8154

■ 18.4082, 9.5477,
79.4707

■ 16.4360, 7.3573,
79.1518

■ 15.3745, 6.2661,
78.9971

■ 15.2413, 6.1249,
78.9769

Harmonies

Analogous

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



40.4321, 43.3728, 89.5810



46.6389, 43.3728, 84.5109



51.8129, 43.3728, 68.6684

Triad

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



46.6389, 43.3728, 84.5109



48.1549, 43.3728, 24.3658



30.5409, 43.3728, 44.9780

Complementary

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



46.6389, 43.3728, 84.5109



69.5042, 79.1053, 49.1435

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.



32.1869, 43.3728, 30.7878



46.6389, 43.3728, 84.5109



42.0273, 43.3728, 20.9047

Square

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



46.6389, 43.3728, 84.5109



52.7474, 43.3728, 33.8593



36.2463, 43.3728, 22.9257



31.5154, 43.3728, 63.7146

Rectangle

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



46.6389, 43.3728, 84.5109



53.7681, 43.3728, 55.7996



36.2463, 43.3728, 22.9257



30.8014, 43.3728, 39.5782

Sweetspot

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



46.6404, 43.3745, 84.5119



82.2842, 84.2656, 106.5358



59.8229, 71.3624, 89.2193



17.1304, 17.4435, 22.7140



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.



46.6404, 43.3745, 84.5119



49.7575, 44.4348, 100.5620



54.7496, 47.5550, 84.8914



14.3369, 14.6034, 18.9854



8.5223, 3.4293, 43.9557



0.7061, 0.2883, 3.4533

Inverse Universe

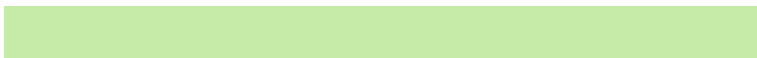
The Inverse Universe completely reimagines the original color for something new.



62.7331, 51.7529, 81.5473



72.3086, 56.1804, 96.1923



60.0545, 74.2337, 48.7013



15.6627, 15.2929, 18.7751



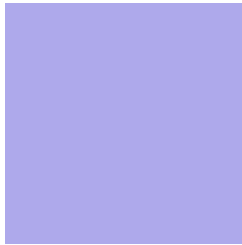
26.0740, 12.6323, 37.7865



2.0621, 0.9978, 3.0446

Previews

White Background



This preview shows how the XYZ color 46.6389, 43.3728, 84.5109 looks on a white background.

Color Contrast Check

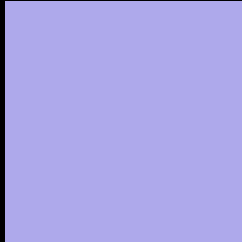
Large Text (above 18pt) WCAG AA × Fail

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 46.6389, 43.3728, 84.5109 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 46.6389, 43.3728, 84.5109

Background



This preview shows how black text looks on a background with the XYZ color 46.6389, 43.3728, 84.5109.



This preview shows how white text looks on a background with the XYZ color 46.6389, 43.3728,

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

46.6389, 43.3728, 84.5109

Protanopia

44.4733, 43.6132, 86.9631

Deuteranopia

44.4928, 43.4047, 83.8748



Tritanopia

40.6432, 43.2052, 55.4875

Trichromacy



Original Color

46.6389, 43.3728, 84.5109

Protanomaly

45.1428, 43.4060, 86.1197

Deuteranomaly

45.3297, 43.5526, 83.8593

Tritanomaly

42.5470, 43.1019, 65.1085

Monochromacy



Original Color

46.6389, 43.3728, 84.5109

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.7702, 44.1306, 60.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6389, 43.3728, 84.5109 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(174, 169, 235)` looks like.

```
.text, #text, p{  
    color:rgb(174, 169, 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(174, 169, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 169, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.6389, 43.3728, 84.5109 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(174, 169, 235) }
```


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

```
.border{ border-color:rgb(174, 169, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 169, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 169, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 169, 235); box-shadow:4px 4px 4px 4px rgb(174, 169, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6389, 43.3728, 84.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 169, 235) }
```

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

```
.background{ background-color: rgb(174,  
169, 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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