

Converting Colors

XYZ(45.1744, 43.0900, 84.7045)

Have a look what the booklet for
XYZ(45.1744, 43.0900, 84.7045)
contains.

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Color

**XYZ(45.2842, 43.2310,
84.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ABEB
RGB	166, 171, 235
RGB Percent	65%, 67%, 92%
CMY	0.3490, 0.3294, 0.0784
CMYK	0.29, 0.27, 0.00, 0.08
HSL	236°, 63%, 79%
HSV	236°, 29%, 92%
XYZ	45.2842, 43.2310, 84.5549
YIQ	176.8010, -23.5240, 18.8440

Conversions

Conversions Part 2

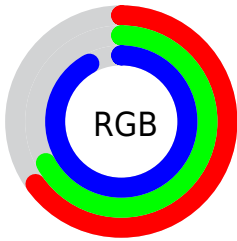
Format	Color
RYB	166, 171, 235
Decimal	10922987
CIELab	71.71, 12.45, -32.61
CIELCh	72, 34.902, 290.898
Yxy	43.2310, 0.2617, 0.2498
Android (android.graphics.Color)	4289113067 (0xFFA6ABEB)
YUV	176.8010, 28.6921, -9.4725
Hunter-Lab	65.7503, 7.8753, -30.2218

Details

The XYZ color **45.2842, 43.2310, 84.5549** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.4415, 77.0096, 47.2823**, and the grayscale version is **41.5499, 43.7138, 47.6043**.

A 20% lighter version of the original color is **75.3706, 77.1423, 105.5252**, and **21.4156, 19.8931, 45.3588** is the 20% darker color. If you saturate the color by 10%, you get **37.0175, 33.3539, 83.0849**, and if you desaturate by 10%, it is **55.1328, 54.9333, 86.2953**.

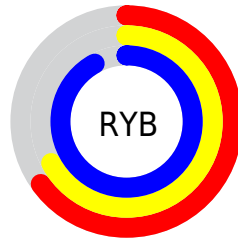
Distribution



Red (65%)

Green (67%)

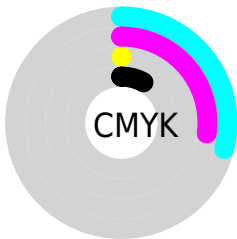
Blue (92%)



Red (65%)

Yellow (67%)

Blue (92%)

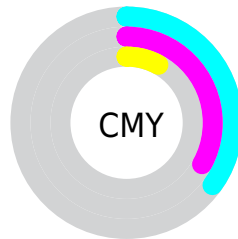


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2842, 43.2310, 84.5549 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 45.2842, 43.2310, 84.5549 by changing the saturation by 10% instead.

■ 45.2842, 43.2310,
84.5549

■ 45.2842, 43.2310,
84.5549

358.6877,
359.5609, 530.2602

■ 31.8836, 30.0664,
62.9256

■ 82.3812, 80.0593,
141.6198

■ 21.4277, 19.8890,
45.3404

■ 106.8082,
104.4919, 177.8925

■ 13.5512, 12.3144,
31.3808

135.6414,
133.4491, 219.8834

■ 7.8888, 6.9582,
20.6281

169.2462,
167.3156, 268.0111

■ 4.0751, 3.4359,
12.6638

207.9878,
206.4756, 322.6940

■ 1.7447, 1.3633,
7.0695

252.2317,

■ 0.4840, 0.1895,

251.3136, 384.3509

3.4265

302.3433,
302.2139, 453.4001

■ 0.0000, 0.0000,
1.3163

■ 0.0000, 0.0000,
0.0751

■ 45.2842, 43.2310,
84.5549

■ 45.2842, 43.2310,
84.5549

■ 37.0175, 33.3539,
83.0849

■ 55.1328, 54.9333,
86.2953

■ 30.2461, 25.2051,
81.8689

■ 66.6352, 68.5410,
88.3157

■ 24.8814, 18.6865,
80.8934

■ 79.8642, 84.1357,
90.6285

■ 20.8242, 13.6881,
80.1425

■ 91.9955, 98.7782,
92.8154

■ 17.9619, 10.0861,
79.5981

■ 16.1628, 7.7375,
79.2396

■ 15.2376, 6.4544,
79.0407

■ 15.1965, 6.4001,
79.0324

Harmonies

Analogous

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



39.3157, 43.2310, 87.1426



45.2842, 43.2310, 84.5549



50.5686, 43.2310, 70.7637

Triad

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



45.2842, 43.2310, 84.5549



48.6931, 43.2310, 26.0390



30.8463, 43.2310, 42.1016

Complementary

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



45.2842, 43.2310, 84.5549



69.4415, 77.0096, 47.2823

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.



32.8762, 43.2310, 29.3628



45.2842, 43.2310, 84.5549



42.9164, 43.2310, 21.6670

Square

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



45.2842, 43.2310, 84.5549



52.6643, 43.2310, 36.3765



37.1627, 43.2310, 22.7170



31.3490, 43.2310, 59.6801

Rectangle

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



45.2842, 43.2310, 84.5549



52.8084, 43.2310, 58.5624



37.1627, 43.2310, 22.7170



31.2473, 43.2310, 37.1911

Sweetspot

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



45.2857, 43.2327, 84.5559



80.6862, 83.0666, 106.3886



59.6131, 73.1957, 85.2990



16.8077, 17.2335, 22.6905



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.



45.2857, 43.2327, 84.5559



48.5176, 44.8881, 100.7149



51.0740, 44.8409, 84.5612



14.3189, 14.7242, 19.0096



8.4911, 3.6292, 43.9959



0.6975, 0.3464, 3.4650

Inverse Universe

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



55.2491, 47.8763, 44.8589



62.2982, 51.4286, 45.7828



62.1154, 75.3284, 47.3439



15.1098, 15.0718, 15.8633



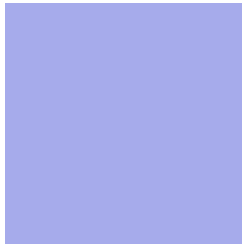
19.1412, 9.8592, 1.2790



1.5185, 0.7804, 0.1820

Previews

White Background



This preview shows how the XYZ color 45.2842, 43.2310, 84.5549 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 45.2842, 43.2310, 84.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

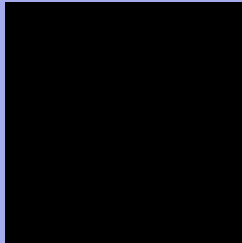
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2842, 43.2310, 84.5549

Background



This preview shows how black text looks on a background with the XYZ color 45.2842, 43.2310, 84.5549.



This preview shows how white text looks on a background with the XYZ color 45.2842, 43.2310,

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

45.2842, 43.2310, 84.5549

Protanopia

44.1343, 43.1697, 86.1272

Deuteranopia

44.4362, 43.3589, 84.6243



Tritanopia

39.6504, 43.2586, 56.7120

Trichromacy



Original Color

45.2842, 43.2310, 84.5549

Protanomaly

44.3901, 43.0348, 85.3238

Deuteranomaly

44.6482, 43.1846, 84.5795

Tritanomaly

41.4077, 43.0783, 65.8070

Monochromacy



Original Color

45.2842, 43.2310, 84.5549

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.7566, 43.6214, 59.5923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2842, 43.2310, 84.5549 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(166, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 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(166, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 235) }
```

Border

The CSS property to change the border of an element to XYZ 45.2842, 43.2310, 84.5549 is called "border". The border property can be set on classes, ids or directly on the HTML element.

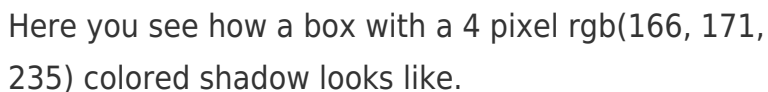
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 171, 235) }
```


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

```
.border{ border-color:rgb(166, 171, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 171, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 171, 235); box-shadow:4px 4px 4px 4px rgb(166, 171, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2842, 43.2310, 84.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 235) }
```

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

```
.background{ background-color: rgb(166,  
171, 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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