

Converting Colors

XYZ(43.5914, 41.7284, 85.9937)

Have a look what the booklet for
XYZ(43.5914, 41.7284, 85.9937)
contains.

XYZ(43.5746, 41.7595, 85.8845)	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(43.5746, 41.7595,
85.8845)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA9ED
RGB	158, 169, 237
RGB Percent	62%, 66%, 93%
CMY	0.3804, 0.3372, 0.0706
CMYK	0.33, 0.29, 0.00, 0.07
HSL	232°, 69%, 77%
HSV	232°, 33%, 93%
XYZ	43.5746, 41.7595, 85.8845
YIQ	173.4630, -28.3840, 18.8160

Conversions

Conversions Part 2

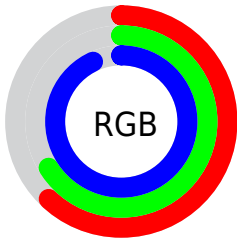
Format	Color
R _Y B	158, 168, 237
Decimal	10398189
CIE Lab	70.70, 11.81, -35.30
CIE LCh	71, 37.224, 288.500
Yxy	41.7595, 0.2545, 0.2439
Android (android.graphics.Color)	4288588269 (0xFF9EA9ED)
YUV	173.4630, 31.3237, -13.5611
Hunter-Lab	64.6216, 7.2755, -33.5635

Details

The XYZ color **43.5746, 41.7595, 85.8845** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.2939, 74.8668, 43.2006**, and the grayscale version is **39.8134, 41.8868, 45.6147**.

A 20% lighter version of the original color is **72.4372, 74.8275, 105.2330**, and **20.4107, 19.0018, 46.3080** is the 20% darker color. If you saturate the color by 10%, you get **35.8509, 32.5773, 84.5200**, and if you desaturate by 10%, it is **52.7922, 52.5925, 87.4904**.

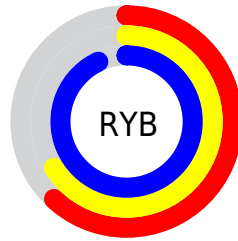
Distribution



Red (62%)

Green (66%)

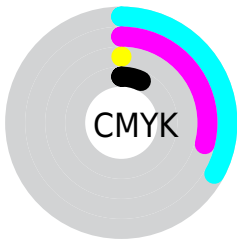
Blue (93%)



Red (62%)

Yellow (66%)

Blue (93%)

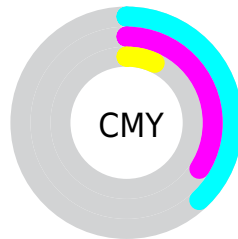


Cyan (33%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (38%)

Magenta (34%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5746, 41.7595, 85.8845 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 43.5746, 41.7595, 85.8845 by changing the saturation by 10% instead.

■ 43.5746, 41.7595,
85.8845

■ 43.5746, 41.7595,
85.8845

351.8511,
353.4850, 534.7710

■ 30.5327, 28.9130,
64.0181

■ 79.8276, 77.8355,
143.4934

■ 20.3933, 19.0150,
46.2191

■ 103.7693,
101.8338, 180.0730

■ 12.7912, 11.6811,
32.0688

132.0751,
130.3182, 222.3941

■ 7.3609, 6.5269,
21.1488

165.1102,
163.6731, 270.8753

■ 3.7372, 3.1681,
13.0405

203.2399,
202.2828, 325.9350

■ 1.5545, 1.2201,
7.3254

246.8298,

■ 0.3625, 0.0780,

246.5317, 387.9918

3.5849

296.2451,
296.8043, 457.4643

■ 0.0000, 0.0000,
1.4005

■ 0.0000, 0.0000,
0.1421

■ 43.5746, 41.7595,
85.8845

■ 43.5746, 41.7595,
85.8845

■ 35.8509, 32.5773,
84.5200

■ 52.7922, 52.5925,
87.4904

■ 29.5376, 24.9597,
83.3824

■ 63.5726, 65.1473,
89.3455

■ 24.5495, 18.8197,
82.4602

■ 75.9859, 79.4965,
91.4610

■ 20.7900, 14.0598,
81.7395

■ 90.0963, 95.7072,
93.8462

■ 18.1494, 10.5704,
81.2052

■ 92.2862, 98.8945,
94.3460

■ 16.4973, 8.2243,
80.8394

■ 15.8301, 7.2022,
80.6773

Harmonies

Analogous

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



37.3733, 41.7595, 87.5352



43.5746, 41.7595, 85.8845



49.2528, 41.7595, 71.8931

Triad

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



43.5746, 41.7595, 85.8845



48.0798, 41.7595, 24.4792



29.1667, 41.7595, 39.0280

Complementary

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



43.5746, 41.7595, 85.8845



68.2939, 74.8668, 43.2006

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.



31.4547, 41.7595, 26.4718



43.5746, 41.7595, 85.8845



42.1029, 41.7595, 19.6458

Square

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



43.5746, 41.7595, 85.8845



52.0340, 41.7595, 35.5204



36.0456, 41.7595, 20.2657



29.4730, 41.7595, 57.1207

Rectangle

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



43.5746, 41.7595, 85.8845



51.7801, 41.7595, 59.0880



36.0456, 41.7595, 20.2657



29.6475, 41.7595, 34.1220

Sweetspot

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



43.5760, 41.7611, 85.8855



79.6761, 82.2669, 106.2875



57.9970, 73.2829, 82.4307



16.6257, 17.1126, 22.6767



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.



43.5760, 41.7611, 85.8855



45.0428, 41.7041, 100.2834



47.6791, 40.9651, 85.5156



14.4004, 14.8871, 19.0368



8.6978, 4.0425, 44.0648



0.7363, 0.4240, 3.4779

Inverse Universe

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



54.3146, 45.3243, 43.4235



59.6250, 46.8400, 42.5560



62.8505, 76.6444, 43.8306



15.1509, 15.0882, 16.0798



19.2455, 9.9009, 1.8283



1.5381, 0.7882, 0.2852

Previews

White Background



This preview shows how the XYZ color 43.5746, 41.7595, 85.8845 looks on a white background.

Color Contrast Check

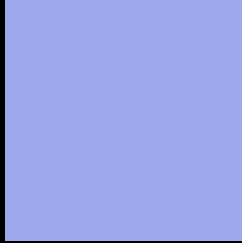
Large Text (above 18pt) WCAG AA × Fail

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 43.5746, 41.7595, 85.8845 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 43.5746, 41.7595, 85.8845

Background



This preview shows how black text looks on a background with the XYZ color 43.5746, 41.7595, 85.8845.



This preview shows how white text looks on a background with the XYZ color 43.5746, 41.7595,

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

43.5746, 41.7595, 85.8845

Protanopia

42.9442, 41.6948, 86.6734

Deuteranopia

42.7977, 41.6362, 85.9017



Tritanopia

37.6476, 41.9425, 55.9806

Trichromacy



Original Color

43.5746, 41.7595, 85.8845

Protanomaly

43.3249, 41.8911, 86.6912

Deuteranomaly

43.1784, 41.8324, 85.9195

Tritanomaly

39.6640, 41.8894, 65.6695

Monochromacy



Original Color

43.5746, 41.7595, 85.8845

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.8648, 41.8154, 58.1419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5746, 41.7595, 85.8845 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(158, 169, 237)` looks like.

```
.text, #text, p{  
    color:rgb(158, 169, 237)  
}
```

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(158, 169, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 169, 237) }
```

Border

The CSS property to change the border of an element to XYZ 43.5746, 41.7595, 85.8845 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(158, 169, 237) }
```


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

```
.border{ border-color:rgb(158, 169, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 169, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 169, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 169, 237);  
box-shadow:4px 4px 4px 4px rgb(158, 169,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5746, 41.7595, 85.8845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 169, 237) }
```

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

```
.background{ background-color: rgb(158,  
169, 237) }
```

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