

Converting Colors

XYZ(35.4958, 50.4463, 39.0794)

Have a look what the booklet for
XYZ(35.4958, 50.4463, 39.0794)
contains.

XYZ(35.4589, 50.3607, 38.8621)	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(35.4589, 50.3607,
38.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	76CE9B
RGB	118, 206, 155
RGB Percent	46%, 81%, 61%
CMY	0.5372, 0.1921, 0.3921
CMYK	0.43, 0.00, 0.25, 0.19
HSL	145°, 47%, 64%
HSV	145°, 43%, 81%
XYZ	35.4589, 50.3607, 38.8621
YIQ	173.8740, -36.0770, -34.5170

Conversions

Conversions Part 2

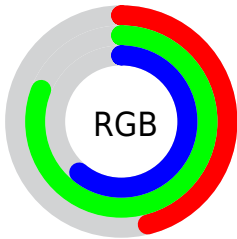
Format	Color
RYB	118, 180, 206
Decimal	7786139
CIELab	76.29, -37.86, 17.25
CIELCh	76, 41.606, 155.502
Yxy	50.3607, 0.2844, 0.4039
Android (android.graphics.Color)	4285976219 (0xFF76CE9B)
YUV	173.8740, -9.3049, -49.0015
Hunter-Lab	70.9653, -34.9989, 17.2072

Details

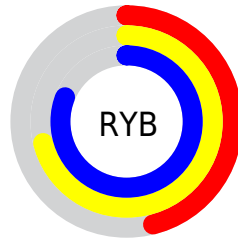
The XYZ color **35.4589, 50.3607, 38.8621** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.0951, 28.9444, 41.0642**, and the grayscale version is **40.2280, 42.3230, 46.0897**.

A 20% lighter version of the original color is **64.8484, 85.1718, 73.9947**, and **15.6152, 24.1895, 16.9427** is the 20% darker color. If you saturate the color by 10%, you get **32.0076, 48.6930, 33.7233**, and if you desaturate by 10%, it is **39.6230, 52.3871, 44.5540**.

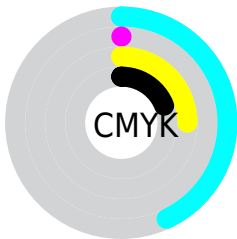
Distribution



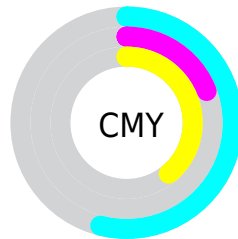
- Red (46%)
- Green (81%)
- Blue (61%)



- Red (46%)
- Yellow (71%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)





- Cyan (54%)
- Magenta (19%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4589, 50.3607, 38.8621 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 35.4589, 50.3607, 38.8621 by changing the saturation by 10% instead.


 35.4589, 50.3607,
38.8621


 35.4589, 50.3607,
38.8621


318.0619,
388.0748, 356.7123


 24.1848, 35.7001,
26.3455


 67.5254, 90.7091,
74.6456

 15.5962, 24.2027,
16.8542


 89.0485, 117.1656,
98.7496

 9.3279, 15.4840,
9.9697


 114.7186,
148.3229, 127.5531

 5.0145, 9.1598,
5.2735

144.9011,
184.5654, 161.4746

 2.2906, 4.8455,
2.3471

179.9613,
226.2774, 200.9328

 0.7899, 2.1569,
0.7574

220.2646,

 0.0000, 0.6964,

273.8434, 246.3461

0.0000

266.1764,
327.6478, 298.1331

■ 0.0000, 0.0000,
0.0000

■ 35.4589, 50.3607,
38.8621

■ 35.4589, 50.3607,
38.8621

■ 32.0076, 48.6930,
33.7233

■ 39.6230, 52.3871,
44.5540

■ 29.2219, 47.3560,
29.1173

■ 44.5351, 54.7859,
50.8117

■ 27.0552, 46.3274,
25.0272


■ 50.2328, 57.5778,
57.6519


■ 25.4527, 45.5791,
21.4340


■ 56.7502, 60.7797,
65.0894


■ 24.3488, 45.0778,
18.3173


■ 64.1190, 64.4079,
73.1386

 23.7768, 44.8263,
16.3335

 72.3694, 68.4777,
81.8132

 78.8295, 71.6114,
91.0002

 80.6483, 72.3389,
100.5779

 81.3622, 72.6245,
104.3374

Harmonies

Analogous

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



39.6634, 50.3607, 26.7422



35.4589, 50.3607, 38.8621



34.4189, 50.3607, 59.0625

Triad

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



35.4589, 50.3607, 38.8621



49.3208, 50.3607, 109.7597



61.1639, 50.3607, 33.4562

Complementary

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



35.4589, 50.3607, 38.8621



39.0951, 28.9444, 41.0642

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.



64.4266, 50.3607, 50.8128



35.4589, 50.3607, 38.8621



57.1288, 50.3607, 97.8341

Square

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



35.4589, 50.3607, 38.8621



41.9047, 50.3607, 104.0269



62.8752, 50.3607, 74.6741



54.3682, 50.3607, 24.2676

Rectangle

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



35.4589, 50.3607, 38.8621



35.5500, 50.3607, 75.5161



62.8752, 50.3607, 74.6741



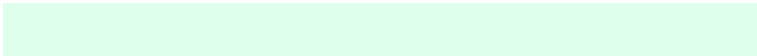
62.7420, 50.3607, 38.3219

Sweetspot

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



35.4602, 50.3628, 38.8632



80.9478, 93.0697, 92.8932



41.7768, 53.9248, 25.3467



16.8632, 19.6937, 19.3372



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.



35.4602, 50.3628, 38.8632



52.4106, 79.1564, 55.4986



39.8142, 52.1044, 61.7911



11.2605, 12.6139, 12.9290



14.6865, 27.6199, 10.3001



0.7953, 1.4399, 0.7295

Inverse Universe

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



39.0951, 28.9444, 41.0642



59.0302, 40.0997, 59.4692



35.6564, 27.5689, 22.9565



11.4803, 11.3209, 13.0640



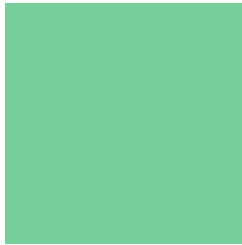
17.7877, 8.9256, 11.8664



0.9550, 0.4754, 0.8090

Previews

White Background



This preview shows how the XYZ color 35.4589, 50.3607, 38.8621 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 35.4589, 50.3607, 38.8621 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

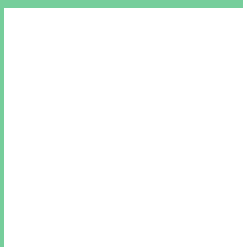
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4589, 50.3607, 38.8621

Background



This preview shows how black text looks on a background with the XYZ color 35.4589, 50.3607, 38.8621.

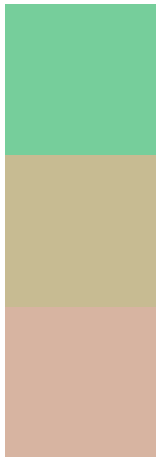


This preview shows how white text looks on a background with the XYZ color 35.4589, 50.3607,

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

35.4589, 50.3607, 38.8621

Protanopia

46.5118, 49.7581, 34.3470

Deuteranopia

50.7786, 49.6628, 40.6278



Tritanopia

41.8474, 50.1487, 71.0924

Trichromacy



Original Color

35.4589, 50.3607, 38.8621



Protanomaly

41.2942, 49.2995, 35.7731



Deuteranomaly

43.2780, 48.6017, 39.9010



Tritanomaly

39.2647, 50.1356, 58.0597

Monochromacy



Original Color

35.4589, 50.3607, 38.8621



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.8604, 44.7779, 43.2068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4589, 50.3607, 38.8621 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(118, 206, 155)` looks like.

```
.text, #text, p{  
    color:rgb(118, 206, 155)  
}
```

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(118, 206, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 206, 155) }
```

Border

The CSS property to change the border of an element to XYZ 35.4589, 50.3607, 38.8621 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(118, 206, 155) }
```


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

```
.border{ border-color:rgb(118, 206, 155) }
```

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

Here you see how a box with a 4 pixel rgb(118, 206, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 206, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 206, 155);  
box-shadow:4px 4px 4px 4px rgb(118, 206,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4589, 50.3607, 38.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 206, 155) }
```

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

```
.background{ background-color: rgb(118,  
206, 155) }
```

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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