

Converting Colors

XYZ(35.8858, 40.3420, 58.3291)

Have a look what the booklet for
XYZ(35.8858, 40.3420, 58.3291)
contains.

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Color

**XYZ(35.8057, 40.3546,
58.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	89B0C4
RGB	137, 176, 196
RGB Percent	54%, 69%, 77%
CMY	0.4627, 0.3098, 0.2314
CMYK	0.30, 0.10, 0.00, 0.23
HSL	200°, 33%, 65%
HSV	200°, 30%, 77%
XYZ	35.8057, 40.3546, 58.1266
YIQ	166.6190, -29.6640, -2.0480

Conversions

Conversions Part 2

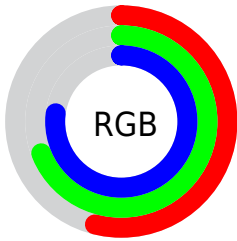
Format	Color
R _Y B	137, 160, 196
Decimal	9023684
CIE Lab	69.72, -8.38, -14.45
CIE LCh	70, 16.701, 239.895
Yxy	40.3546, 0.2666, 0.3005
Android (android.graphics.Color)	4287213764 (0xFF89B0C4)
YUV	166.6190, 14.4848, -25.9759
Hunter-Lab	63.5253, -10.5586, -9.7836

Details

The XYZ color **35.8057, 40.3546, 58.1266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3378, 37.6562, 28.8630**, and the grayscale version is **36.4886, 38.3888, 41.8054**.

A 20% lighter version of the original color is **68.3245, 76.0115, 103.9991**, and **15.8364, 18.2996, 28.2887** is the 20% darker color. If you saturate the color by 10%, you get **31.6093, 36.3055, 57.5669**, and if you desaturate by 10%, it is **40.6520, 44.8353, 58.7367**.

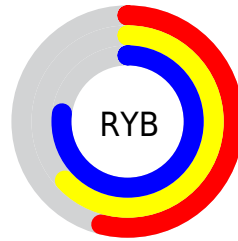
Distribution



Red (54%)

Green (69%)

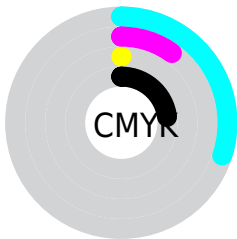
Blue (77%)



Red (54%)

Yellow (63%)

Blue (77%)

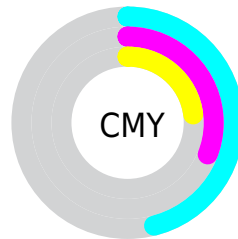


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (31%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8057, 40.3546, 58.1266 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 35.8057, 40.3546, 58.1266 by changing the saturation by 10% instead.

■ 35.8057, 40.3546,
58.1266

■ 35.8057, 40.3546,
58.1266

319.5566,
347.6159, 435.2689

■ 24.4536, 27.8151,
41.4951

■ 68.0579, 75.7032,
103.6238

■ 15.7970, 18.1863,
28.3835

■ 89.6887, 99.2811,
133.3265

■ 9.4705, 11.0839,
18.3734

■ 115.4764,
127.3073, 168.2234

■ 5.1089, 6.1233,
11.0462

145.7864,
160.1661, 208.7330

■ 2.3467, 2.9202,
5.9834

180.9841,
198.2420, 255.2738

■ 0.8184, 1.0902,
2.7663

221.4348,

■ 0.0000, 0.0000,

241.9193, 308.2643

0.9766

267.5038,
291.5825, 368.1232

■ 0.0000, 0.0000,
0.0000

■ 35.8057, 40.3546,
58.1266

■ 35.8057, 40.3546,
58.1266

■ 31.6093, 36.3055,
57.5669

■ 40.6520, 44.8353,
58.7367

■ 28.0266, 32.6651,
57.0531

■ 46.1745, 49.7597,
59.3961

■ 25.0231, 29.4153,
56.5841

■ 52.4028, 55.1450,
60.1074

■ 22.5596, 26.5343,
56.1578

■ 59.3631, 61.0064,
60.8719

■ 20.5911, 23.9977,
55.7720

■ 67.0807, 67.3578,
61.6910

■ 19.0646, 21.7766,
55.4237

■ 75.5794, 74.2128,
62.5663

■ 17.8890, 19.8356,
55.1110

■ 77.4604, 77.7584,
63.1515

■ 79.2652, 81.3681,
63.7531

■ 81.1404, 85.1186,
64.3782

Harmonies

Analogous

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



34.0211, 40.3546, 51.7896



35.8057, 40.3546, 58.1266



38.3463, 40.3546, 60.5817

Triad

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



35.8057, 40.3546, 58.1266



43.7957, 40.3546, 43.9666



35.8215, 40.3546, 32.2493

Complementary

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



35.8057, 40.3546, 58.1266



39.3378, 37.6562, 28.8630

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.



38.3654, 40.3546, 30.6634



35.8057, 40.3546, 58.1266



43.0440, 40.3546, 36.9253

Square

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



35.8057, 40.3546, 58.1266



43.0337, 40.3546, 51.8423



41.0243, 40.3546, 32.2716



34.0299, 40.3546, 36.8833

Rectangle

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



35.8057, 40.3546, 58.1266



40.1532, 40.3546, 59.4871



41.0243, 40.3546, 32.2716



36.6130, 40.3546, 31.3681

Sweetspot

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



35.8069, 40.3562, 58.1275



84.6733, 91.0410, 107.7176



36.1147, 47.2220, 38.9616



17.7863, 19.1907, 23.0167



0.0000, 0.0000, 0.0000



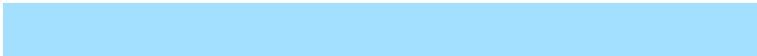
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8069, 40.3562, 58.1275



59.8198, 68.2767, 104.6336



30.6891, 30.1206, 56.4216



10.0717, 10.8348, 12.8453



11.5766, 12.9096, 35.4383



0.5619, 0.6812, 1.5517

Inverse Universe

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



39.5481, 32.7628, 45.3155



67.8116, 52.9010, 77.0755



44.8751, 48.7308, 30.7088



10.3475, 10.1876, 11.9205



17.2393, 8.5855, 14.4381



0.7760, 0.3834, 0.7878

Previews

White Background



This preview shows how the XYZ color 35.8057, 40.3546, 58.1266 looks on a white background.

Color Contrast Check

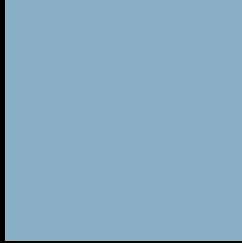
Large Text (above 18pt) WCAG AA × Fail

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 35.8057, 40.3546, 58.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

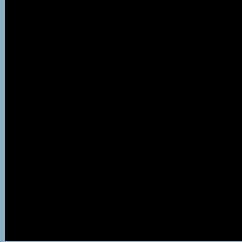
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8057, 40.3546, 58.1266

Background



This preview shows how black text looks on a background with the XYZ color 35.8057, 40.3546, 58.1266.



This preview shows how white text looks on a background with the XYZ color 35.8057, 40.3546,

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

35.8057, 40.3546, 58.1266

Protanopia

39.5283, 40.3530, 54.9958

Deuteranopia

41.0628, 40.2339, 59.0278



Tritanopia

35.2795, 40.4401, 55.2365

Trichromacy



Original Color

35.8057, 40.3546, 58.1266

Protanomaly

38.0885, 40.4232, 56.2471

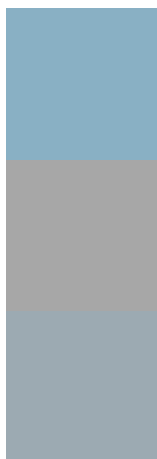
Deuteranomaly

38.9500, 40.2543, 58.5403

Tritanomaly

35.5011, 40.5288, 56.4038

Monochromacy



Original Color

35.8057, 40.3546, 58.1266

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.1209, 39.0317, 47.7496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8057, 40.3546, 58.1266 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(137, 176, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 176, 196)  
}
```

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(137, 176, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 176, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.8057, 40.3546, 58.1266 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(137, 176, 196) }
```


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

```
.border{ border-color:rgb(137, 176, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 176, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 176, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 176, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 176,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8057, 40.3546, 58.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 176, 196) }
```

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

```
.background{ background-color: rgb(137,  
176, 196) }
```

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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