

Converting Colors

XYZ(35.6788, 38.0280, 41.5507)

Have a look what the booklet for
XYZ(35.6788, 38.0280, 41.5507)
contains.

XYZ(35.8059, 38.1771, 41.5581)	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(35.8059, 38.1771,
41.5581)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A7A6
RGB	163, 167, 166
RGB Percent	64%, 65%, 65%
CMY	0.3608, 0.3451, 0.3490
CMYK	0.02, 0.00, 0.01, 0.35
HSL	165°, 2%, 65%
HSV	165°, 2%, 65%
XYZ	35.8059, 38.1771, 41.5581
YIQ	165.6900, -2.0630, -1.1590

Conversions

Conversions Part 2

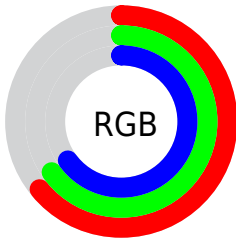
Format	Color
RYB	163, 165, 167
Decimal	10725286
CIELab	68.15, -1.61, 0.01
CIELCh	68, 1.607, 179.574
Yxy	38.1771, 0.3099, 0.3304
Android (android.graphics.Color)	4288915366 (0xFFA3A7A6)
YUV	165.6900, 0.1528, -2.3591
Hunter-Lab	61.7876, -4.6877, 3.3731

Details

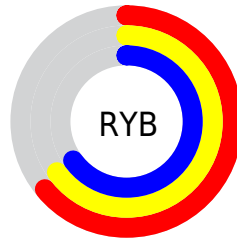
The XYZ color **35.8059, 38.1771, 41.5581** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7358, 37.0912, 40.3997**, and the grayscale version is **36.0968, 37.9766, 41.3565**.

A 20% lighter version of the original color is **68.0859, 72.3684, 78.7866**, and **15.7235, 16.8559, 18.3444** is the 20% darker color. If you saturate the color by 10%, you get **32.2324, 36.3796, 39.4204**, and if you desaturate by 10%, it is **39.8456, 40.2157, 43.7843**.

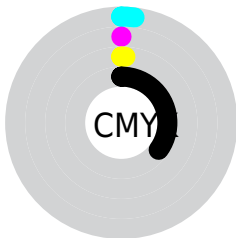
Distribution



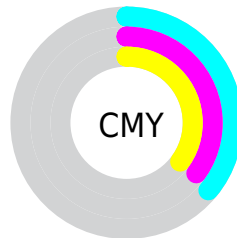
- Red (64%)
- Green (65%)
- Blue (65%)



- Red (64%)
- Yellow (65%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (35%)



- Cyan (36%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8059, 38.1771, 41.5581 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 35.8059, 38.1771, 41.5581 by changing the saturation by 10% instead.

■ 35.8059, 38.1771,
41.5581

■ 35.8059, 38.1771,
41.5581

319.5574,
338.3791, 368.3933

■ 24.4537, 26.1202,
28.4324

■ 68.0582, 72.3795,
78.7932

■ 15.7971, 16.9136,
18.4100

■ 89.6891, 95.2938,
103.7398

■ 9.4706, 10.1729,
11.0723

115.4769,
122.5959, 133.4638

■ 5.1090, 5.5137,
6.0007

145.7870,
154.6704, 168.3837

■ 2.3467, 2.5517,
2.7767

180.9847,
191.9015, 208.9180

■ 0.8184, 0.9025,
0.9818

221.4355,

■ 0.0000, 0.0000,

234.6738, 255.4854

0.0000

267.5046,
283.3715, 308.5043

■ 35.8059, 38.1771,
41.5581

■ 35.8059, 38.1771,
41.5581

■ 32.2324, 36.3796,
39.4204

■ 39.8456, 40.2157,
43.7843

■ 29.1042, 34.8092,
37.3674

■ 44.3651, 42.4990,
46.0980

■ 26.4036, 33.4577,
35.3984

■ 49.3812, 45.0369,
48.5014

■ 24.1104, 32.3149,
33.5117

■ 54.9092, 47.8372,
50.9956

■ 22.2027, 31.3695,
31.7058

■ 60.9634, 50.9073,
53.5820

■ 20.6566, 30.6091,
29.9789

■ 64.4749, 52.6650,
56.1176

■ 19.4455, 30.0199,
28.3290

■ 64.9424, 52.8520,
58.5794

■ 18.5387, 29.5864,
26.7542

■ 65.4231, 53.0443,
61.1111

■ 17.9001, 29.2898,
25.2518

■ 65.9173, 53.2420,
63.7131

Harmonies

Analogous

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



35.8718, 38.1771, 40.8726



35.8059, 38.1771, 41.5581



35.8682, 38.1771, 42.2540

Triad

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



35.8059, 38.1771, 41.5581



36.5248, 38.1771, 42.7816



36.5311, 38.1771, 40.3883

Complementary

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



35.8059, 38.1771, 41.5581



35.7358, 37.0912, 40.3997

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.



36.7074, 38.1771, 40.8902



35.8059, 38.1771, 41.5581



36.7038, 38.1771, 42.2720

Square

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



35.8059, 38.1771, 41.5581



36.2826, 38.1771, 42.9654



36.7708, 38.1771, 41.5786



36.2898, 38.1771, 40.2020

Rectangle

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



35.8059, 38.1771, 41.5581



35.9742, 38.1771, 42.6290



36.7708, 38.1771, 41.5786



36.5999, 38.1771, 40.5254

Sweetspot

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



35.8070, 38.1787, 41.5589



65.0718, 68.8495, 74.9658



35.7544, 38.1831, 40.1365



14.5707, 15.4117, 16.7809



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



35.8070, 38.1787, 41.5589



63.6786, 68.1474, 74.1690



35.7289, 37.8747, 41.9885



8.1300, 8.7330, 9.5030



13.4351, 22.2928, 18.5897



0.3456, 0.5499, 0.5507

Inverse Universe

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



35.7358, 37.0912, 40.3997



63.5169, 65.6762, 71.5348



35.8120, 37.3880, 39.9800



8.1048, 8.3481, 9.0927



12.5294, 6.4205, 2.3335



0.3247, 0.1642, 0.1613

Previews

White Background



This preview shows how the XYZ color 35.8059, 38.1771, 41.5581 looks on a white background.

Color Contrast Check

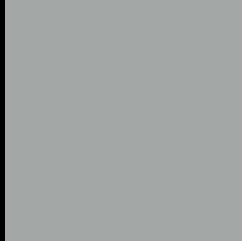
Large Text (above 18pt) WCAG AA × Fail

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 35.8059, 38.1771, 41.5581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

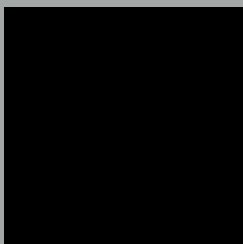
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

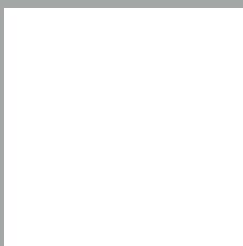
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8059, 38.1771, 41.5581

Background



This preview shows how black text looks on a background with the XYZ color 35.8059, 38.1771, 41.5581.

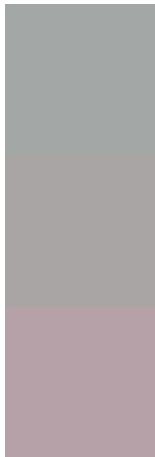


This preview shows how white text looks on a background with the XYZ color 35.8059, 38.1771,

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

35.8059, 38.1771, 41.5581

Protanopia

36.6089, 38.0619, 41.0145

Deuteranopia

38.7760, 38.1035, 41.8702



Tritanopia

37.0081, 38.1240, 47.5276

Trichromacy



Original Color

35.8059, 38.1771, 41.5581

Protanomaly

36.3641, 38.2045, 41.0549

Deuteranomaly

37.5278, 37.9831, 41.9128

Tritanomaly

36.5860, 38.2209, 45.4935

Monochromacy



Original Color

35.8059, 38.1771, 41.5581

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0362, 38.0249, 41.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8059, 38.1771, 41.5581 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(163, 167, 166) looks like.

```
.text, #text, p{  
    color:rgb(163, 167, 166)  
}
```

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(163, 167, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 167, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.8059, 38.1771, 41.5581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

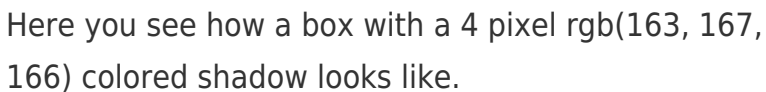
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 167, 166) }
```


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

```
.border{ border-color:rgb(163, 167, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 167, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 167, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 167, 166); box-shadow:4px 4px 4px 4px rgb(163, 167, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8059, 38.1771, 41.5581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 167, 166) }
```

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

```
.background{ background-color: rgb(163,  
167, 166) }
```

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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