

Converting Colors

XYZ(35.7713, 37.8246, 41.3273)

Have a look what the booklet for
XYZ(35.7713, 37.8246, 41.3273)
contains.

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Color

**XYZ(35.8290, 37.9181,
41.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A6A6
RGB	164, 166, 166
RGB Percent	64%, 65%, 65%
CMY	0.3569, 0.3490, 0.3490
CMYK	0.01, 0.00, 0.00, 0.35
HSL	180°, 1%, 65%
HSV	180°, 1%, 65%
XYZ	35.8290, 37.9181, 41.5069
YIQ	165.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

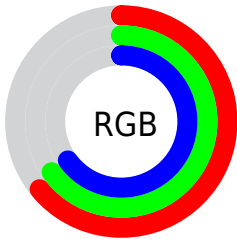
Format	Color
RYB	164, 165, 166
Decimal	10790566
CIELab	67.96, -0.71, -0.26
CIELCh	68, 0.753, 199.979
Yxy	37.9181, 0.3109, 0.3290
Android (android.graphics.Color)	4288980646 (0xFFA4A6A6)
YUV	165.4020, 0.2948, -1.2296
Hunter-Lab	61.5777, -3.9006, 3.1395

Details

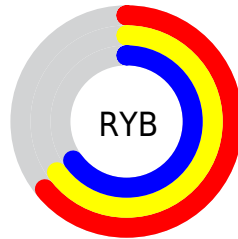
The XYZ color **35.8290, 37.9181, 41.5069** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7036, 37.3393, 40.4493**, and the grayscale version is **35.9571, 37.8297, 41.1966**.

A 20% lighter version of the original color is **68.1210, 71.9934, 78.7124**, and **15.7367, 16.6943, 18.3125** is the 20% darker color. If you saturate the color by 10%, you get **32.6225, 36.2664, 41.3466**, and if you desaturate by 10%, it is **39.4849, 39.8036, 41.6898**.

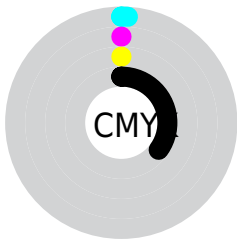
Distribution



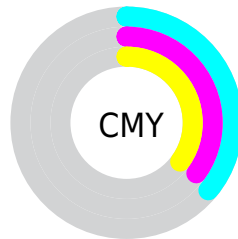
- Red (64%)
- Green (65%)
- Blue (65%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8290, 37.9181, 41.5069 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 35.8290, 37.9181, 41.5069 by changing the saturation by 10% instead.

■ 35.8290, 37.9181,
41.5069

■ 35.8290, 37.9181,
41.5069

319.6568,
337.2685, 368.1739

■ 24.4717, 25.9191,
28.3927

■ 68.0936, 71.9826,
78.7148

■ 15.8105, 16.7632,
18.3803

■ 89.7317, 94.8169,
103.6456

■ 9.4801, 10.0658,
11.0511

115.5273,
122.0318, 133.3523

■ 5.1153, 5.4426,
5.9866

145.8458,
154.0116, 168.2535

■ 2.3505, 2.5092,
2.7683

181.0527,
191.1408, 208.7677

■ 0.8203, 0.8812,
0.9776

221.5133,

■ 0.0000, 0.0000,

233.8038, 255.3135

0.0000

267.5929,
282.3849, 308.3094

■ 35.8290, 37.9181,
41.5069

■ 35.8290, 37.9181,
41.5069

■ 32.6225, 36.2664,
41.3466

■ 39.4849, 39.8036,
41.6898

■ 29.8449, 34.8348,
41.2055

■ 43.6031, 41.9264,
41.8936

■ 27.4791, 33.6154,
41.0838

■ 48.2003, 44.2961,
42.1198

■ 25.5054, 32.5981,
40.9804

■ 53.2910, 46.9202,
42.3691

■ 23.9027, 31.7721,
40.8943

■ 58.8895, 49.8061,
42.6421

■ 22.6477, 31.1254,
40.8246

■ 61.7727, 51.2922,
42.7881

■ 21.7146, 30.6446,
40.7699

■ 61.7748, 51.2930,
42.7993

■ 21.0741, 30.3147,
40.7289

■ 61.7769, 51.2938,
42.8104

■ 20.6915, 30.1177,
40.7000

■ 61.7790, 51.2947,
42.8216

Harmonies

Analogous

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



35.8189, 37.9181, 41.1744



35.8290, 37.9181, 41.5069



35.8955, 37.9181, 41.7817

Triad

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



35.8290, 37.9181, 41.5069



36.2126, 37.9181, 41.7021



36.0792, 37.9181, 40.6551

Complementary

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



35.8290, 37.9181, 41.5069



35.7036, 37.3393, 40.4493

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.



36.1849, 37.9181, 40.7949



35.8290, 37.9181, 41.5069



36.2620, 37.9181, 41.3986

Square

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



35.8290, 37.9181, 41.5069



36.1169, 37.9181, 41.8948



36.2519, 37.9181, 41.0666



35.9632, 37.9181, 40.6838

Rectangle

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



35.8290, 37.9181, 41.5069



35.9631, 37.9181, 41.8947



36.2519, 37.9181, 41.0666



36.1171, 37.9181, 40.6840

Sweetspot

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



35.8301, 37.9197, 41.5077



65.7814, 69.2071, 75.3665



35.6549, 37.8504, 40.5492



14.7206, 15.4872, 16.8656



80.6108, 84.8088, 92.3568

Same Dimension

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



35.8301, 37.9197, 41.5077



65.1418, 68.8775, 75.3346



35.6550, 37.5692, 41.4506



8.3826, 8.8595, 9.6863



15.8954, 23.2769, 31.5455



0.3869, 0.5664, 0.7682

Inverse Universe

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



35.7036, 37.3393, 40.4493



64.9478, 67.9870, 73.7108



35.8772, 37.6870, 40.5059



8.3598, 8.7549, 9.4957



12.1958, 6.2870, 0.5766



0.2969, 0.1530, 0.0147

Previews

White Background



This preview shows how the XYZ color 35.8290, 37.9181, 41.5069 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 35.8290, 37.9181, 41.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

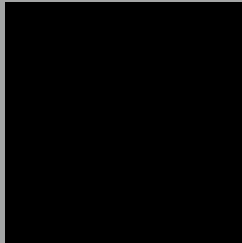
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8290, 37.9181, 41.5069

Background



This preview shows how black text looks on a background with the XYZ color 35.8290, 37.9181, 41.5069.



This preview shows how white text looks on a background with the XYZ color 35.8290, 37.9181,

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

35.8290, 37.9181, 41.5069

Protanopia

36.3951, 37.9517, 41.0045

Deuteranopia

38.6019, 37.7554, 41.8122



Tritanopia

36.9372, 37.8322, 46.9505

Trichromacy



Original Color

35.8290, 37.9181, 41.5069

Protanomaly

36.1830, 37.8424, 40.9946

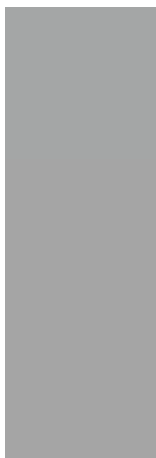
Deuteranomaly

37.5746, 37.7446, 41.8643

Tritanomaly

36.5150, 37.9267, 44.9312

Monochromacy



Original Color

35.8290, 37.9181, 41.5069

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7637, 37.6262, 40.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8290, 37.9181, 41.5069 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(164, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(164, 166, 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(164, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 166, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.8290, 37.9181, 41.5069 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(164, 166, 166) }
```

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

```
.border{ border-color:rgb(164, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(164, 166,  
166) }
```


Background

The CSS property to change the background color of an element to XYZ 35.8290, 37.9181, 41.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 166, 166) }
```

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

```
.background{ background-color: rgb(164,  
166, 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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