

Converting Colors

XYZ(36.8458, 38.1654, 41.4785)

Have a look what the booklet for
XYZ(36.8458, 38.1654, 41.4785)
contains.

XYZ(36.9156, 38.2095, 41.5059)	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(36.9156, 38.2095,
41.5059)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA5A6
RGB	170, 165, 166
RGB Percent	67%, 65%, 65%
CMY	0.3333, 0.3529, 0.3490
CMYK	0.00, 0.03, 0.02, 0.33
HSL	348°, 3%, 66%
HSV	348°, 3%, 67%
XYZ	36.9156, 38.2095, 41.5059
YIQ	166.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

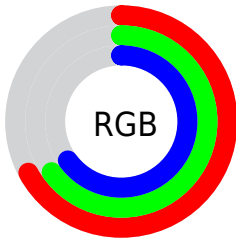
Format	Color
RYB	170, 165, 166
Decimal	11183526
CIELab	68.17, 1.98, 0.11
CIELCh	68, 1.986, 3.284
Yxy	38.2095, 0.3165, 0.3276
Android (android.graphics.Color)	4289373606 (0xFFAAA5A6)
YUV	166.6090, -0.3002, 2.9739
Hunter-Lab	61.8138, -1.5729, 3.4585

Details

The XYZ color **36.9156, 38.2095, 41.5059** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0546, 39.6143, 43.2314**, and the grayscale version is **36.5419, 38.4449, 41.8665**.

A 20% lighter version of the original color is **69.6957, 72.4144, 78.7106**, and **16.4136, 16.8767, 18.3120** is the 20% darker color. If you saturate the color by 10%, you get **32.8680, 32.0072, 34.3205**, and if you desaturate by 10%, it is **41.5050, 45.2832, 49.5246**.

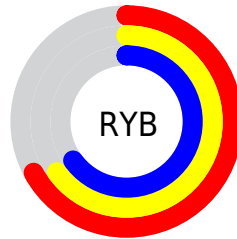
Distribution



Red (67%)

Green (65%)

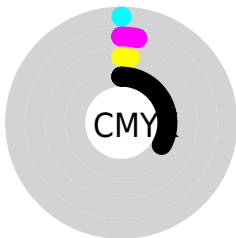
Blue (65%)



Red (67%)

Yellow (65%)

Blue (65%)

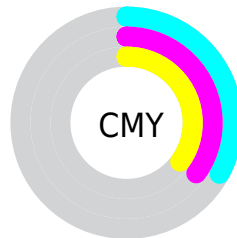


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9156, 38.2095, 41.5059 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 36.9156, 38.2095, 41.5059 by changing the saturation by 10% instead.

■ 36.9156, 38.2095,
41.5059

■ 36.9156, 38.2095,
41.5059

324.3069,
338.5178, 368.1697

■ 25.3155, 26.1453,
28.3919

■ 69.7576, 72.4291,
78.7133

■ 16.4423, 16.9324,
18.3797

■ 91.7303, 95.3534,
103.6437

■ 9.9305, 10.1863,
11.0507

117.8912,
122.6664, 133.3501

■ 5.4148, 5.5227,
5.9863

148.6057,
154.7527, 168.2510

■ 2.5299, 2.5571,
2.7681

184.2392,
191.9966, 208.7648

■ 0.9103, 0.9051,
0.9775

225.1570,

■ 0.0000, 0.0000,

234.7825, 255.3102

0.0000

271.7244,
283.4948, 308.3056

■ 36.9156, 38.2095,
41.5059

■ 36.9156, 38.2095,
41.5059

■ 32.8680, 32.0072,
34.3205

■ 41.5050, 45.2832,
49.5246

■ 29.3391, 26.6376,
27.9390

■ 46.6521, 53.2550,
58.3998

■ 26.3085, 22.0669,
22.3340

■ 52.3759, 62.1566,
68.1567

■ 23.7535, 18.2565,
17.4755

■ 58.6938, 72.0169,
78.8190

■ 21.6494, 15.1651,
13.3316

■ 65.6221, 82.8632,
90.4091

■ 19.9695, 12.7472,
9.8679

■ 69.2268, 86.8218,
101.6323

■ 18.6840, 10.9521,
7.0475

■ 70.3877, 87.2861,
107.7458

■ 17.7591, 9.7218,
4.8292

■ 17.1550, 8.9875,
3.1672

Harmonies

Analogous

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



36.8523, 38.2095, 42.3762



36.9156, 38.2095, 41.5059



36.8178, 38.2095, 40.6734

Triad

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



36.9156, 38.2095, 41.5059



35.9907, 38.2095, 40.1922



36.0495, 38.2095, 43.1479

Complementary

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



36.9156, 38.2095, 41.5059



37.0546, 39.6143, 43.2314

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.



35.8207, 38.2095, 42.5480



36.9156, 38.2095, 41.5059



35.7869, 38.2095, 40.8406

Square

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



36.9156, 38.2095, 41.5059



36.2828, 38.2095, 39.9218



35.7249, 38.2095, 41.7016



36.3512, 38.2095, 43.3321

Rectangle

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



36.9156, 38.2095, 41.5059



36.6747, 38.2095, 40.2496



35.7249, 38.2095, 41.7016



35.9616, 38.2095, 42.9878

Sweetspot

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



36.9167, 38.2112, 41.5067



68.5030, 71.6703, 77.9849



37.0742, 38.2493, 43.4594



15.2864, 15.9981, 17.4085



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.9167, 38.2112, 41.5067



66.0997, 67.9756, 73.7562



37.0975, 38.7187, 41.1175



8.0111, 8.2115, 8.9045



12.4228, 6.3778, 1.7720



0.3190, 0.1619, 0.1313

Inverse Universe

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



36.9167, 38.2112, 41.5067



66.0997, 67.9756, 73.7562



36.8692, 39.0930, 43.6331



8.0111, 8.2115, 8.9045



12.4228, 6.3778, 1.7720



0.3190, 0.1619, 0.1313

Previews

White Background



This preview shows how the XYZ color 36.9156, 38.2095, 41.5059 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 36.9156, 38.2095, 41.5059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

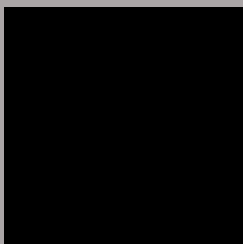
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

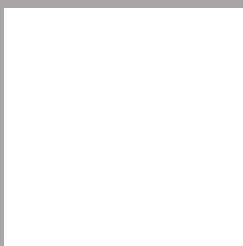
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9156, 38.2095, 41.5059

Background



This preview shows how black text looks on a background with the XYZ color 36.9156, 38.2095, 41.5059.

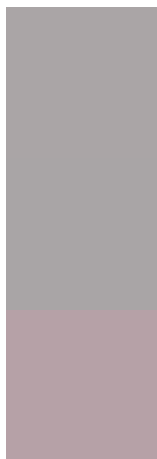


This preview shows how white text looks on a background with the XYZ color 36.9156, 38.2095,

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

36.9156, 38.2095, 41.5059

Protanopia

36.7003, 38.0985, 41.4958

Deuteranopia

39.0113, 38.2248, 41.8812



Tritanopia

37.9469, 38.0996, 46.4282

Trichromacy



Original Color

36.9156, 38.2095, 41.5059

Protanomaly

36.7003, 38.0985, 41.4958

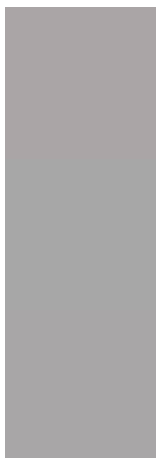
Deuteranomaly

38.2555, 38.0957, 41.8961

Tritanomaly

37.5164, 38.1874, 44.4233

Monochromacy



Original Color

36.9156, 38.2095, 41.5059

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7597, 38.3873, 42.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9156, 38.2095, 41.5059 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(170, 165, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 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(170, 165, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 166) }
```

Border

The CSS property to change the border of an element to XYZ 36.9156, 38.2095, 41.5059 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(170, 165, 166) }
```


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

```
.border{ border-color:rgb(170, 165, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 165, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 165, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 165, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 165,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9156, 38.2095, 41.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 166) }
```

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

```
.background{ background-color: rgb(170,  
165, 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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