

Converting Colors

XYZ(36.6486, 38.0415, 42.0645)

Have a look what the booklet for
XYZ(36.6486, 38.0415, 42.0645)
contains.

XYZ(36.5786, 38.0251, 41.9709)	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(36.5786, 38.0251,
41.9709)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A5A7
RGB	168, 165, 167
RGB Percent	66%, 65%, 65%
CMY	0.3412, 0.3529, 0.3451
CMYK	0.00, 0.02, 0.01, 0.34
HSL	320°, 2%, 65%
HSV	320°, 2%, 66%
XYZ	36.5786, 38.0251, 41.9709
YIQ	166.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

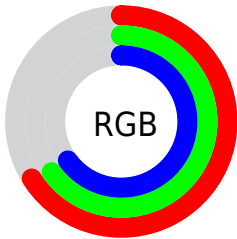
Format	Color
R_{YB}	168, 165, 167
Decimal	11052455
CIE Lab	68.04, 1.45, -0.66
CIE LCh	68, 1.596, 335.594
Yxy	38.0251, 0.3138, 0.3262
Android (android.graphics.Color)	4289242535 (0xFFA8A5A7)
YUV	166.1250, 0.4314, 1.6444
Hunter-Lab	61.6645, -2.0289, 2.8104

Details

The XYZ color **36.5786, 38.0251, 41.9709** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4040, 38.7587, 41.6407**, and the grayscale version is **36.3044, 38.1951, 41.5944**.

A 20% lighter version of the original color is **69.2094, 72.1483, 79.3855**, and **16.2021, 16.7611, 18.6009** is the 20% darker color. If you saturate the color by 10%, you get **33.2386, 32.1560, 38.3567**, and if you desaturate by 10%, it is **40.3412, 44.7026, 45.8377**.

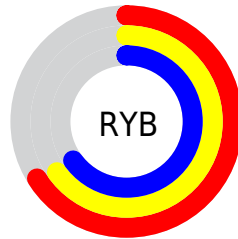
Distribution



Red (66%)

Green (65%)

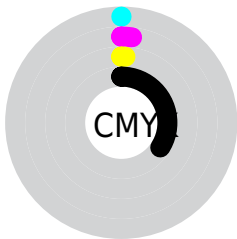
Blue (65%)



Red (66%)

Yellow (65%)

Blue (65%)

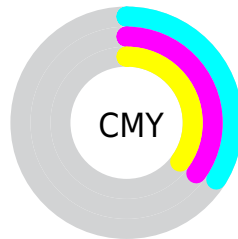


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5786, 38.0251, 41.9709 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 36.5786, 38.0251, 41.9709 by changing the saturation by 10% instead.

■ 36.5786, 38.0251,
41.9709

■ 36.5786, 38.0251,
41.9709

322.8698,
337.7276, 370.1584

■ 25.0536, 26.0022,
28.7531

■ 69.2422, 72.1466,
79.4252

■ 16.2459, 16.8253,
18.6502

■ 91.1116, 95.0140,
104.4988

■ 9.7903, 10.1100,
11.2435

117.1597,
122.2649, 134.3614

■ 5.3213, 5.4719,
6.1146

147.7520,
154.2839, 169.4315

■ 2.4737, 2.5267,
2.8450

183.2538,
191.4553, 210.1277

■ 0.8820, 0.8900,
1.0160

224.0304,

■ 0.0000, 0.0000,

234.1634, 256.8686

0.0000

270.4473,
282.7927, 310.0726

■ 36.5786, 38.0251,
41.9709

■ 36.5786, 38.0251,
41.9709

■ 33.2386, 32.1560,
38.3567

■ 40.3412, 44.7026,
45.8377

■ 30.3025, 27.0595,
34.9861

■ 44.5382, 52.2127,
49.9609

■ 27.7544, 22.7043,
31.8529

■ 49.1845, 60.5849,
54.3475

■ 25.5767, 19.0551,
28.9497

■ 54.2938, 69.8457,
59.0032

■ 23.7500, 16.0738,
26.2686

■ 59.8788, 80.0203,
63.9335

■ 22.2531, 13.7185,
23.8010

■ 62.4076, 84.0445,
67.9625

■ 21.0625, 11.9428,
21.5376

■ 63.0776, 84.3125,
71.4905

■ 20.1514, 10.6935,
19.4679

■ 63.7718, 84.5902,
75.1465

■ 19.4881, 9.9078,
17.5796

■ 64.4907, 84.8777,
78.9317

Harmonies

Analogous

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



36.4205, 38.0251, 42.5257



36.5786, 38.0251, 41.9709



36.6194, 38.0251, 41.2696

Triad

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



36.5786, 38.0251, 41.9709



36.0952, 38.0251, 40.0558



35.7546, 38.0251, 42.2045

Complementary

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



36.5786, 38.0251, 41.9709



36.4040, 38.7587, 41.6407

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.



35.6682, 38.0251, 41.5364



36.5786, 38.0251, 41.9709



35.8643, 38.0251, 40.3000

Square

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



36.5786, 38.0251, 41.9709



36.3395, 38.0251, 40.1691



35.7083, 38.0251, 40.8400



35.9446, 38.0251, 42.6616

Rectangle

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



36.5786, 38.0251, 41.9709



36.5744, 38.0251, 40.8145



35.7083, 38.0251, 40.8400



35.7125, 38.0251, 41.9969

Sweetspot

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



36.5797, 38.0267, 41.9717



66.8736, 69.8793, 76.6838



36.2504, 37.8462, 42.4407



14.5837, 15.2451, 16.7223



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.



36.5797, 38.0267, 41.9717



66.2158, 68.7171, 75.9915



36.4420, 37.9717, 41.2467



8.3064, 8.6307, 9.5314



14.4258, 7.1790, 12.3198



0.3732, 0.1836, 0.4169

Inverse Universe

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



36.5797, 38.0267, 41.9717



66.2158, 68.7171, 75.9915



36.5422, 38.8140, 42.3686



8.3064, 8.6307, 9.5314



14.4258, 7.1790, 12.3198



0.3732, 0.1836, 0.4169

Previews

White Background



This preview shows how the XYZ color 36.5786, 38.0251, 41.9709 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 36.5786, 38.0251, 41.9709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

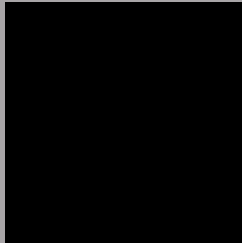
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

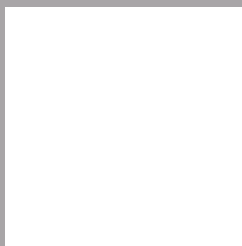
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5786, 38.0251, 41.9709

Background



This preview shows how black text looks on a background with the XYZ color 36.5786, 38.0251, 41.9709.

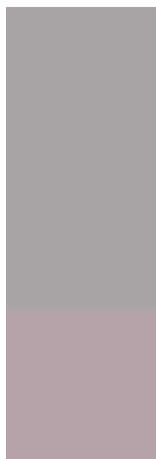


This preview shows how white text looks on a background with the XYZ color 36.5786, 38.0251,

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

36.5786, 38.0251, 41.9709

Protanopia

36.5786, 38.0251, 41.9709

Deuteranopia

38.8688, 38.1406, 42.3591



Tritanopia

37.4741, 38.1205, 46.4572

Trichromacy



Original Color

36.5786, 38.0251, 41.9709

Protanomaly

36.5786, 38.0251, 41.9709

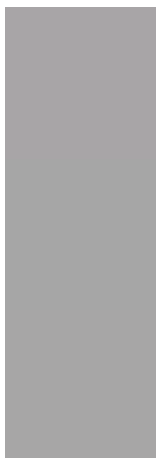
Deuteranomaly

37.8927, 37.8979, 42.3637

Tritanomaly

37.1805, 38.0031, 44.9109

Monochromacy



Original Color

36.5786, 38.0251, 41.9709

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4555, 38.2411, 41.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5786, 38.0251, 41.9709 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(168, 165, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 167)  
}
```

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(168, 165, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.5786, 38.0251, 41.9709 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(168, 165, 167) }
```


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

```
.border{ border-color:rgb(168, 165, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5786, 38.0251, 41.9709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 167) }
```

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

```
.background{ background-color: rgb(168,  
165, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor