

Converting Colors

XYZ(37.8859, 36.4583, 46.1902)

Have a look what the booklet for
XYZ(37.8859, 36.4583, 46.1902)
contains.

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Color

**XYZ(38.0249, 36.5956,
46.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	B19DB0
RGB	177, 157, 176
RGB Percent	69%, 62%, 69%
CMY	0.3059, 0.3843, 0.3098
CMYK	0.00, 0.11, 0.01, 0.31
HSL	303°, 11%, 65%
HSV	303°, 11%, 69%
XYZ	38.0249, 36.5956, 46.1338
YIQ	165.1460, 5.8210, 10.1490

Conversions

Conversions Part 2

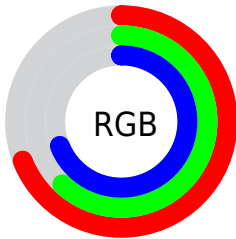
Format	Color
RYB	177, 157, 176
Decimal	11640240
CIELab	66.97, 10.78, -7.16
CIElCh	67, 12.943, 326.415
Yxy	36.5956, 0.3149, 0.3031
Android (android.graphics.Color)	4289830320 (0xFFB19DB0)
YUV	165.1460, 5.3510, 10.3960
Hunter-Lab	60.4943, 6.3347, -2.8694

Details

The XYZ color **38.0249, 36.5956, 46.1338** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7997, 41.0821, 38.3925**, and the grayscale version is **35.8082, 37.6731, 41.0260**.

A 20% lighter version of the original color is **71.7132, 70.2368, 86.1213**, and **17.1043, 16.0484, 21.2649** is the 20% darker color. If you saturate the color by 10%, you get **35.1577, 31.0003, 44.7477**, and if you desaturate by 10%, it is **41.3287, 43.0619, 47.6691**.

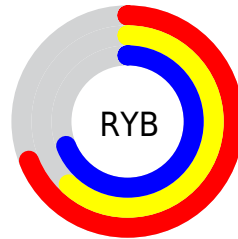
Distribution



Red (69%)

Green (62%)

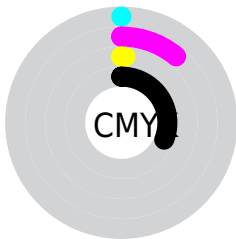
Blue (69%)



Red (69%)

Yellow (62%)

Blue (69%)

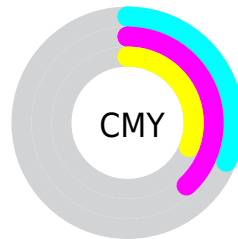


Cyan (0%)

Magenta (11%)

Yellow (1%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0249, 36.5956, 46.1338 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 38.0249, 36.5956, 46.1338 by changing the saturation by 10% instead.

■ 38.0249, 36.5956,
46.1338

■ 38.0249, 36.5956,
46.1338

329.0058,
331.5564, 387.6395

■ 26.1793, 24.8945,
32.0020

■ 71.4500, 69.9504,
85.7556

■ 17.0912, 15.9985,
21.0982

■ 93.7601, 92.3729,
112.0827

■ 10.3953, 9.5231,
13.0039

120.2892,
119.1380, 143.3119

■ 5.7261, 5.0839,
7.3004

151.4026,
150.6301, 179.8618

■ 2.7183, 2.2966,
3.5694

187.4656,
187.2336, 222.1510

■ 1.0066, 0.7719,
1.3922

228.8435,

■ 0.0000, 0.0000,

229.3329, 270.5980

0.1356

275.9018,
277.3123, 325.6213

0.0000, 0.0000,
0.0000

38.0249, 36.5956,
46.1338

38.0249, 36.5956,
46.1338

35.1577, 31.0003,
44.7477

41.3287, 43.0619,
47.6691

32.7052, 26.2342,
43.5021

45.0833, 50.4295,
49.3571

30.6486, 22.2590,
42.3914

49.3062, 58.7328,
51.2041

28.9664, 19.0316,
41.4083

54.0131, 68.0032,
53.2152

27.6350, 16.5049,
40.5449

59.2189, 78.2706,
55.3955

■ 26.6280, 14.6262,
39.7924

■ 62.2644, 84.2163,
56.8585

■ 25.9156, 13.3356,
39.1409

■ 62.3558, 84.2529,
57.3396

■ 25.4621, 12.5619,
38.5785

■ 62.4477, 84.2897,
57.8238

■ 25.2134, 12.1799,
38.1400

■ 62.5403, 84.3267,
58.3110

Harmonies

Analogous

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



36.4903, 36.5956, 50.3390



38.0249, 36.5956, 46.1338



38.6899, 36.5956, 40.5266

Triad

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



38.0249, 36.5956, 46.1338



35.0197, 36.5956, 29.9973



31.5092, 36.5956, 44.8542

Complementary

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



38.0249, 36.5956, 46.1338



35.7997, 41.0821, 38.3925

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.



31.1484, 36.5956, 39.1739



38.0249, 36.5956, 46.1338



33.1299, 36.5956, 30.9236

Square

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



38.0249, 36.5956, 46.1338



36.9142, 36.5956, 31.4983



31.7308, 36.5956, 34.1579



32.7355, 36.5956, 49.5527

Rectangle

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



38.0249, 36.5956, 46.1338



38.5328, 36.5956, 36.8675



31.7308, 36.5956, 34.1579



31.2847, 36.5956, 42.9816

Sweetspot

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



38.0260, 36.5972, 46.1346



72.9224, 74.9761, 84.8711



34.0949, 34.5592, 46.4692



15.6976, 16.0411, 18.3442



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



38.0260, 36.5972, 46.1346



66.5120, 62.4366, 81.8667



37.0726, 36.2158, 41.1141



8.8313, 8.6392, 10.6101



18.2745, 8.8274, 27.6692



0.5806, 0.2800, 0.8999

Inverse Universe

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



38.0260, 36.5972, 46.1346



66.5120, 62.4366, 81.8667



36.6959, 41.4405, 43.1118



8.8313, 8.6392, 10.6101



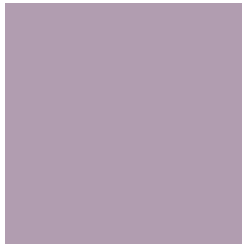
18.2745, 8.8274, 27.6692



0.5806, 0.2800, 0.8999

Previews

White Background



This preview shows how the XYZ color 38.0249, 36.5956, 46.1338 looks on a white background.

Color Contrast Check

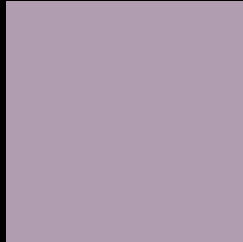
Large Text (above 18pt) WCAG AA × Fail

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 38.0249, 36.5956, 46.1338 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 38.0249, 36.5956, 46.1338

Background



This preview shows how black text looks on a background with the XYZ color 38.0249, 36.5956, 46.1338.



This preview shows how white text looks on a background with the XYZ color 38.0249, 36.5956,

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

38.0249, 36.5956, 46.1338

Protanopia

35.7550, 36.6724, 47.8418

Deuteranopia

37.2969, 36.4725, 46.1484



Tritanopia

37.3871, 36.5861, 43.1215

Trichromacy



Original Color

38.0249, 36.5956, 46.1338

Protanomaly

36.5430, 36.5715, 47.2525

Deuteranomaly

37.5189, 36.5870, 46.1588

Tritanomaly

37.5777, 36.6624, 44.1257

Monochromacy



Original Color

38.0249, 36.5956, 46.1338

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4439, 37.1402, 42.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0249, 36.5956, 46.1338 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(177, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(177, 157, 176)  
}
```

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(177, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 157, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.0249, 36.5956, 46.1338 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(177, 157, 176) }
```


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

```
.border{ border-color:rgb(177, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(177, 157,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0249, 36.5956, 46.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 157, 176) }
```

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

```
.background{ background-color: rgb(177,  
157, 176) }
```

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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