

Converting Colors

XYZ(38.7705, 36.1752, 45.4631)

Have a look what the booklet for
XYZ(38.7705, 36.1752, 45.4631)
contains.

XYZ(38.8219, 36.2736, 45.5128)	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(38.8219, 36.2736,
45.5128)**

Conversions

Conversions Part 1

Format	Color
Hex	B79AAF
RGB	183, 154, 175
RGB Percent	72%, 60%, 69%
CMY	0.2823, 0.3961, 0.3137
CMYK	0.00, 0.16, 0.04, 0.28
HSL	317°, 17%, 66%
HSV	317°, 16%, 72%
XYZ	38.8219, 36.2736, 45.5128
YIQ	165.0650, 10.5430, 12.6790

Conversions

Conversions Part 2

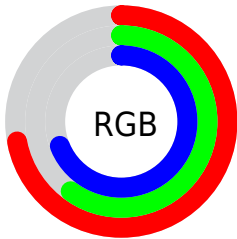
Format	Color
RYB	183, 154, 175
Decimal	12032687
CIELab	66.73, 14.39, -6.90
CIELCh	67, 15.961, 334.372
Yxy	36.2736, 0.3219, 0.3008
Android (android.graphics.Color)	4290222767 (0xFFB79AAF)
YUV	165.0650, 4.8980, 15.7290
Hunter-Lab	60.2276, 9.6605, -2.6450

Details

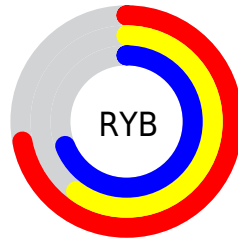
The XYZ color **38.8219, 36.2736, 45.5128** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.7829, 43.3467, 40.6125**, and the grayscale version is **35.7699, 37.6327, 40.9820**.

A 20% lighter version of the original color is **72.5763, 69.2320, 85.1392**, and **17.6313, 15.8764, 20.8741** is the 20% darker color. If you saturate the color by 10%, you get **35.5424, 30.4930, 42.0189**, and if you desaturate by 10%, it is **42.5825, 42.9858, 49.2594**.

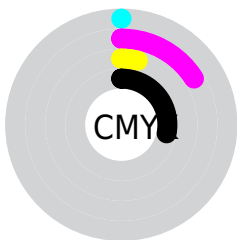
Distribution



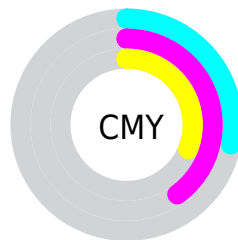
- Red (72%)
- Green (60%)
- Blue (69%)



- Red (72%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (16%)
- Yellow (4%)
- Black (28%)



- Cyan (28%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8219, 36.2736, 45.5128 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 38.8219, 36.2736, 45.5128 by changing the saturation by 10% instead.

■ 38.8219, 36.2736,
45.5128

■ 38.8219, 36.2736,
45.5128

332.3529,
330.1548, 385.0670

■ 26.8013, 24.6456,
31.5156

■ 72.6620, 69.4542,
84.8160

■ 17.5599, 15.8132,
20.7301

■ 95.2122, 91.7755,
110.9591

■ 10.7322, 9.3921,
12.7375

122.0029,
118.4300, 141.9879

■ 5.9530, 4.9978,
7.1195

153.3996,
149.8022, 178.3210

■ 2.8569, 2.2460,
3.4573

189.7676,
186.2763, 220.3769

■ 1.0786, 0.7449,
1.3326

231.4723,

■ 0.0071, 0.0000,

228.2369, 268.5742

0.0883

278.8789,
276.0683, 323.3314

■ 0.0000, 0.0000,
0.0000

■ 38.8219, 36.2736,
45.5128

■ 38.8219, 36.2736,
45.5128

■ 35.5424, 30.4930,
42.0189

■ 42.5825, 42.9858,
49.2594

■ 32.7199, 25.5974,
38.7674

■ 46.8407, 50.6637,
53.2640

■ 30.3328, 21.5438,
35.7505

■ 51.6162, 59.3457,
57.5343

■ 28.3566, 18.2832,
32.9592

■ 56.9264, 69.0666,
62.0773

■ 26.7643, 15.7619,
30.3831

■ 62.7881, 79.8597,
66.8994

■ 25.5253, 13.9193,
28.0113

■ 66.3437, 86.0094,
71.0490

■ 24.6044, 12.6853,
25.8309

■ 66.9644, 86.2577,
74.3173

■ 23.9570, 11.9708,
23.8258

■ 67.6049, 86.5139,
77.6903

■ 23.7287, 11.7474,
23.0308

■ 68.2655, 86.7781,
81.1688

Harmonies

Analogous

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



37.1573, 36.2736, 51.4817



38.8219, 36.2736, 45.5128



39.3023, 36.2736, 38.4937

Triad

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



38.8219, 36.2736, 45.5128



34.1253, 36.2736, 27.6955



30.7951, 36.2736, 47.4642

Complementary

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



38.8219, 36.2736, 45.5128



36.7829, 43.3467, 40.6125

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.



30.0637, 36.2736, 40.5151



38.8219, 36.2736, 45.5128



31.9287, 36.2736, 29.5316

Square

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



38.8219, 36.2736, 45.5128



36.5185, 36.2736, 28.7068



30.4690, 36.2736, 34.0339



32.5130, 36.2736, 52.6971

Rectangle

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



38.8219, 36.2736, 45.5128



38.8684, 36.2736, 34.2731



30.4690, 36.2736, 34.0339



30.4295, 36.2736, 45.2237

Sweetspot

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



38.8230, 36.2752, 45.5136



76.8134, 77.9726, 88.7522



34.9505, 34.1854, 49.5567



16.8541, 17.0215, 19.4950



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.8230, 36.2752, 45.5136



67.3971, 61.1907, 79.2918



37.4978, 35.7451, 38.5352



9.2724, 9.1193, 10.7816



16.5835, 8.2071, 16.2252



0.6093, 0.2992, 0.7021

Inverse Universe

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



38.8230, 36.2752, 45.5136



67.3971, 61.1907, 79.2918



38.1207, 43.8818, 47.6573



9.2724, 9.1193, 10.7816



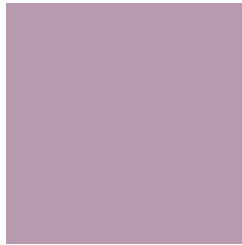
16.5835, 8.2071, 16.2252



0.6093, 0.2992, 0.7021

Previews

White Background



This preview shows how the XYZ color 38.8219, 36.2736, 45.5128 looks on a white background.

Color Contrast Check

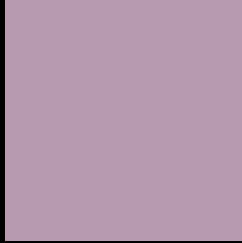
Large Text (above 18pt) WCAG AA × Fail

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 38.8219, 36.2736, 45.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

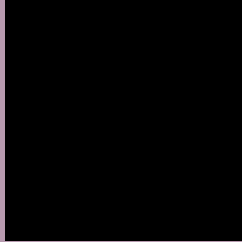
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8219, 36.2736, 45.5128

Background



This preview shows how black text looks on a background with the XYZ color 38.8219, 36.2736, 45.5128.



This preview shows how white text looks on a background with the XYZ color 38.8219, 36.2736,

45.5128.

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

38.8219, 36.2736, 45.5128

Protanopia

35.4803, 36.2586, 48.3086

Deuteranopia

37.1004, 36.3939, 45.1137



Tritanopia

37.9878, 36.1778, 41.5401

Trichromacy



Original Color

38.8219, 36.2736, 45.5128

Protanomaly

36.4112, 35.9929, 47.1477

Deuteranomaly

37.8284, 36.5170, 45.0991

Tritanomaly

38.2684, 36.2901, 43.0179

Monochromacy



Original Color

38.8219, 36.2736, 45.5128

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.9196, 37.1250, 42.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8219, 36.2736, 45.5128 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(183, 154, 175)` looks like.

```
.text, #text, p{  
    color:rgb(183, 154, 175)  
}
```

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(183, 154, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 154, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.8219, 36.2736, 45.5128 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(183, 154, 175) }
```


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

```
.border{ border-color:rgb(183, 154, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 154, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 154, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 154, 175);  
box-shadow:4px 4px 4px 4px rgb(183, 154,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8219, 36.2736, 45.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 154, 175) }
```

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

```
.background{ background-color: rgb(183,  
154, 175) }
```

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