

Converting Colors

XYZ(38.7306, 33.0493, 40.1017)

Have a look what the booklet for
XYZ(38.7306, 33.0493, 40.1017)
contains.

XYZ(38.6753, 33.0749, 39.9430)	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(38.6753, 33.0749,
39.9430)**

Conversions

Conversions Part 1

Format	Color
Hex	C38CA5
RGB	195, 140, 165
RGB Percent	76%, 55%, 65%
CMY	0.2353, 0.4510, 0.3529
CMYK	0.00, 0.28, 0.15, 0.24
HSL	333°, 31%, 66%
HSV	333°, 28%, 76%
XYZ	38.6753, 33.0749, 39.9430
YIQ	159.2950, 24.7550, 19.4350

Conversions

Conversions Part 2

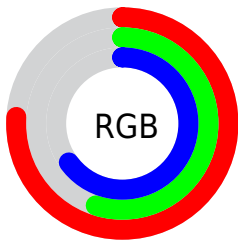
Format	Color
R _Y B	195, 140, 165
Decimal	12815525
CIE Lab	64.22, 24.73, -4.86
CIE LCh	64, 25.202, 348.884
Yxy	33.0749, 0.3463, 0.2961
Android (android.graphics.Color)	4291005605 (0xFFC38CA5)
YUV	159.2950, 2.8126, 31.3133
Hunter-Lab	57.5108, 19.3952, -0.9212

Details

The XYZ color **38.6753, 33.0749, 39.9430** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.5874, 47.5088, 45.2215**, and the grayscale version is **33.0701, 34.7923, 37.8888**.

A 20% lighter version of the original color is **72.3549, 64.4463, 76.3360**, and **17.3682, 13.9125, 17.3928** is the 20% darker color. If you saturate the color by 10%, you get **35.1463, 27.5021, 34.1870**, and if you desaturate by 10%, it is **42.7917, 39.6927, 46.2929**.

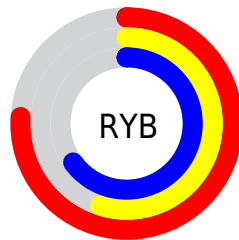
Distribution



Red (76%)

Green (55%)

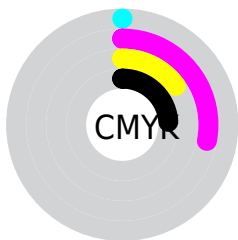
Blue (65%)



Red (76%)

Yellow (55%)

Blue (65%)

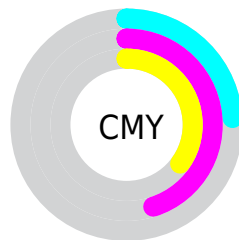


Cyan (0%)

Magenta (28%)

Yellow (15%)

Black (24%)



Cyan (24%)


Magenta (45%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6753, 33.0749, 39.9430 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 38.6753, 33.0749, 39.9430 by changing the saturation by 10% instead.


 38.6753, 33.0749,
39.9430

 38.6753, 33.0749,
39.9430


331.7390,
315.9871, 361.4282


 26.6868, 22.1838,
27.1807


 72.4393, 64.4924,
76.3128

 17.4735, 13.9920,
17.4753


 94.9455, 85.7877,
100.7574

 10.6701, 8.1151,
10.4084


 121.6883,
111.3198, 129.9332

 5.9111, 4.1687,
5.5615

153.0331,
141.4732, 164.2586

 2.8312, 1.7684,
2.5159

189.3452,
176.6322, 204.1523

 1.0652, 0.4673,
0.8485

230.9900,

 0.0000, 0.0000,

217.1813, 250.0328

0.0000

278.3328,
263.5048, 302.3186

■ 38.6753, 33.0749,
39.9430

■ 38.6753, 33.0749,
39.9430

■ 35.1463, 27.5021,
34.1870

■ 42.7917, 39.6927,
46.2929

■ 32.1732, 22.9157,
29.0036

■ 47.5192, 47.4013,
53.2527

■ 29.7258, 19.2583,
24.3733

■ 52.8836, 56.2488,
60.8405

■ 27.7697, 16.4643,
20.2740

■ 58.9084, 66.2795,
69.0727

■ 26.2662, 14.4599,
16.6821

■ 65.6158, 77.5352,
77.9651

■ 25.1700, 13.1582,
13.5710

■ 72.3841, 88.7695,
87.3188

■ 24.4125, 12.4257,
10.9058

■ 73.9140, 89.3815,
95.3753

■ 24.2935, 12.3173,
10.4669

■ 75.5365, 90.0305,
103.9193

■ 76.3158, 90.3422,
108.0233

Harmonies

Analogous

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



36.9048, 33.0749, 50.5709



38.6753, 33.0749, 39.9430



38.3992, 33.0749, 30.0098

Triad

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



38.6753, 33.0749, 39.9430



29.2640, 33.0749, 20.4135



27.1299, 33.0749, 52.9729

Complementary

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



38.6753, 33.0749, 39.9430



37.5874, 47.5088, 45.2215

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.



25.3712, 33.0749, 42.7676



38.6753, 33.0749, 39.9430



26.5373, 33.0749, 24.5571

Square

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



38.6753, 33.0749, 39.9430



32.7806, 33.0749, 19.9443



25.1628, 33.0749, 32.3495



30.1301, 33.0749, 58.9888

Rectangle

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



38.6753, 33.0749, 39.9430



37.0966, 33.0749, 25.0148



25.1628, 33.0749, 32.3495



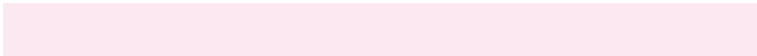
26.3839, 33.0749, 49.8381

Sweetspot

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



38.6763, 33.0764, 39.9437



85.1782, 85.0127, 95.4785



35.6635, 31.1700, 55.7669



18.3527, 18.1244, 20.4743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.6763, 33.0764, 39.9437



65.1522, 52.7151, 64.8976



36.8887, 32.7936, 29.1984



10.2593, 10.1523, 11.4559



15.8307, 8.0220, 7.0203



0.7187, 0.3605, 0.4861

Inverse Universe

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



38.6763, 33.0764, 39.9437



65.1522, 52.7151, 64.8976



39.7734, 47.7300, 58.7467



10.2593, 10.1523, 11.4559



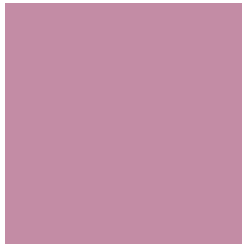
15.8307, 8.0220, 7.0203



0.7187, 0.3605, 0.4861

Previews

White Background



This preview shows how the XYZ color 38.6753, 33.0749, 39.9430 looks on a white background.

Color Contrast Check

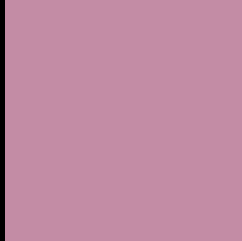
Large Text (above 18pt) WCAG AA × Fail

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 38.6753, 33.0749, 39.9430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

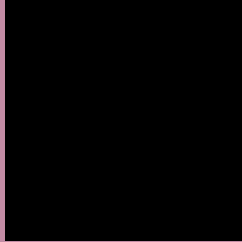
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6753, 33.0749, 39.9430

Background



This preview shows how black text looks on a background with the XYZ color 38.6753, 33.0749, 39.9430.



This preview shows how white text looks on a background with the XYZ color 38.6753, 33.0749,

39.9430.

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

38.6753, 33.0749, 39.9430

Protanopia

32.4982, 33.2710, 44.7535

Deuteranopia

33.8259, 33.1024, 39.2569



Tritanopia

37.6709, 33.1152, 34.5434

Trichromacy



Original Color

38.6753, 33.0749, 39.9430

Protanomaly

34.4055, 33.0778, 43.0994

Deuteranomaly

35.4947, 33.0128, 39.6233

Tritanomaly

37.8588, 32.9534, 36.2636

Monochromacy



Original Color

38.6753, 33.0749, 39.9430

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.6745, 33.8003, 38.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6753, 33.0749, 39.9430 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(195, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(195, 140, 165)  
}
```

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(195, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 38.6753, 33.0749, 39.9430 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(195, 140, 165) }
```


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

```
.border{ border-color:rgb(195, 140, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(195, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6753, 33.0749, 39.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 140, 165) }
```

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

```
.background{ background-color: rgb(195,  
140, 165) }
```

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