

Converting Colors

$Y_{xy}(38.7271, 0.4316, 0.4209)$

Have a look what the booklet for
Yxy(38.7271, 0.4316, 0.4209)
contains.

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Color

Yxy(38.6862, 0.4317, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	CF9F53
RGB	207, 159, 83
RGB Percent	81%, 62%, 33%
CMY	0.1883, 0.3764, 0.6745
CMYK	0.00, 0.23, 0.60, 0.19
HSL	37°, 56%, 57%
HSV	37°, 60%, 81%
XYZ	39.6883, 38.6862, 13.5604
YIQ	164.6880, 53.0040, -13.4600

Conversions

Conversions Part 2

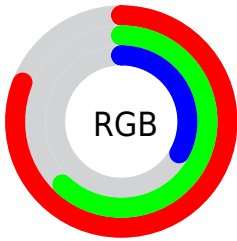
Format	Color
R _Y B	161, 207, 83
Decimal	13606739
CIE Lab	68.52, 9.39, 45.85
CIE LCh	69, 46.805, 78.422
Yxy	38.6862, 0.4317, 0.4208
Android (android.graphics.Color)	4291796819 (0xFFCF9F53)
YUV	164.6880, -40.2722, 37.1076
Hunter-Lab	62.1982, 5.0528, 30.6124

Details

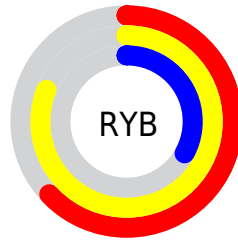
The Yxy color **38.6862, 0.4317, 0.4208** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.5706, 0.2131, 0.2096**, and the grayscale version is **37.6479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1024, 0.4010, 0.4093**, and **17.2245, 0.4615, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **35.7484, 0.4542, 0.4310**, and if you desaturate by 10%, it is **41.9017, 0.4088, 0.4075**.

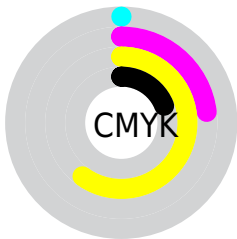
Distribution



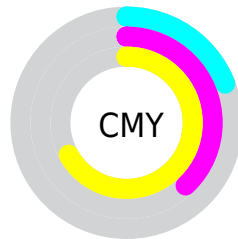
- Red (81%)
- Green (62%)
- Blue (33%)



- Red (63%)
- Yellow (81%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (19%)




- Cyan (19%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6862, 0.4317, 0.4208 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 Yxy color 38.6862, 0.4317, 0.4208 by changing the saturation by 10% instead.

 38.6862, 0.4317,
0.4208

 38.6862, 0.4317,
0.4208


340.5545, 0.3723,
0.3774

 26.5157, 0.4455,
0.4299


 73.1587, 0.4106,
0.4061


 17.2098, 0.4623,
0.4403


 96.2295, 0.4025,
0.4002

 10.3842, 0.4826,
0.4514


 123.7025, 0.3956,
0.3951

 5.6544, 0.5131,
0.4677

 155.9621, 0.3897,
0.3907

 2.6361, 0.5332,
0.4668

 193.3927, 0.3845,
0.3867

 0.9449, 0.5510,
0.4490

236.3787, 0.3799,

 0.0000, 1.0000,

0.3833

0.0000

285.3045, 0.3759,
0.3802

0.0000, 0.0000,
0.0000

38.6862, 0.4317,
0.4208

38.6862, 0.4317,
0.4208

35.7484, 0.4542,
0.4310

41.9017, 0.4088,
0.4075

33.0705, 0.4752,
0.4370

45.4001, 0.3865,
0.3923

30.6406, 0.4934,
0.4379

49.1936, 0.3654,
0.3761

28.4360, 0.5087,
0.4342

53.2915, 0.3460,
0.3599

28.4140, 0.5089,
0.4342

57.7026, 0.3283,
0.3440

■ 62.4353, 0.3126,
0.3288

■ 67.4978, 0.2985,
0.3147

■ 72.8975, 0.2861,
0.3015

■ 77.6868, 0.2829,
0.3036

Harmonies

Analogous

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



38.6862, 0.4512, 0.3714



38.6862, 0.4317, 0.4208



38.6862, 0.3806, 0.4535

Triad

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



38.6862, 0.4317, 0.4208



38.6862, 0.2077, 0.3227



38.6862, 0.2983, 0.2383

Complementary

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



38.6862, 0.4317, 0.4208



22.5706, 0.2131, 0.2096

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.



38.6862, 0.2386, 0.2228



38.6862, 0.4317, 0.4208



38.6862, 0.1912, 0.2628

Square

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



38.6862, 0.4317, 0.4208



38.6862, 0.2513, 0.3958



38.6862, 0.2019, 0.2297



38.6862, 0.3696, 0.2725

Rectangle

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



38.6862, 0.4317, 0.4208



38.6862, 0.3371, 0.4552



38.6862, 0.2019, 0.2297



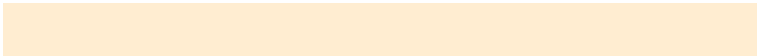
38.6862, 0.2763, 0.2309

Sweetspot

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



38.6881, 0.4317, 0.4208



86.5756, 0.3429, 0.3571



21.1332, 0.4205, 0.2691



18.1003, 0.3483, 0.3619



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.6881, 0.4317, 0.4208



55.9836, 0.4607, 0.4333



56.7888, 0.3863, 0.4742



12.9974, 0.3275, 0.3432



18.0938, 0.5073, 0.4354



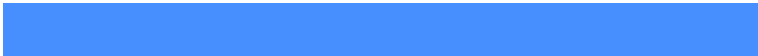
1.1631, 0.4870, 0.4515

Inverse Universe

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



22.5706, 0.2131, 0.2096



28.0526, 0.1939, 0.1788



13.1468, 0.2060, 0.1416



12.1571, 0.2982, 0.3144



6.6330, 0.1677, 0.1237



0.5230, 0.1780, 0.1608

Previews

White Background



This preview shows how the Yxy color 38.6862, 0.4317, 0.4208 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 Yxy color 38.6862, 0.4317, 0.4208 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](#).

Yxy 38.6862, 0.4317, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 38.6862, 0.4317, 0.4208.



This preview shows how white text looks on a background with the Yxy color 38.6862, 0.4317, 0.4208.

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

38.6862, 0.4317, 0.4208

Protanopia

38.9914, 0.4004, 0.4375

Deuteranopia

38.5426, 0.4307, 0.4212



Tritanopia

38.5675, 0.3657, 0.3143

Trichromacy



Original Color

38.6862, 0.4317, 0.4208

Protanomaly

38.9036, 0.4114, 0.4316

Deuteranomaly

38.5426, 0.4307, 0.4212

Tritanomaly

38.3248, 0.3928, 0.3543

Monochromacy



Original Color

38.6862, 0.4317, 0.4208

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.6470, 0.3551, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6862, 0.4317, 0.4208 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(207, 159, 83)` looks like.

```
.text, #text, p{  
    color:rgb(207, 159, 83)  
}
```

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(207, 159, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 159, 83) }
```

Border

The CSS property to change the border of an element to Yxy 38.6862, 0.4317, 0.4208 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(207, 159, 83) }
```

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

```
.border{ border-color:rgb(207, 159, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 159, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 159, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 159, 83);  
box-shadow:4px 4px 4px 4px rgb(207, 159,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6862, 0.4317, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 159, 83) }
```

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

```
.background{ background-color: rgb(207,  
159, 83) }
```

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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