

Converting Colors

$Y_{xy}(38.7772, 0.4411, 0.4430)$

Have a look what the booklet for
Yxy(38.7772, 0.4411, 0.4430)
contains.

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Color

Yxy(38.6860, 0.4412, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	CCA13F
RGB	204, 161, 63
RGB Percent	80%, 63%, 25%
CMY	0.1999, 0.3686, 0.7530
CMYK	0.00, 0.21, 0.69, 0.20
HSL	42°, 58%, 52%
HSV	42°, 69%, 80%
XYZ	38.5462, 38.6860, 10.1345
YIQ	162.6850, 57.0860, -21.3620

Conversions

Conversions Part 2

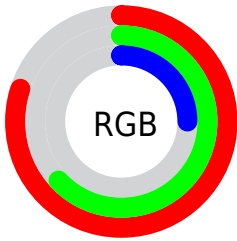
Format	Color
RYB	125, 204, 63
Decimal	13410623
CIELab	68.52, 5.77, 55.09
CIElCh	69, 55.393, 84.016
Yxy	38.6860, 0.4412, 0.4428
Android (android.graphics.Color)	4291600703 (0xFFCCA13F)
YUV	162.6850, -49.1447, 36.2333
Hunter-Lab	62.1981, 1.7758, 33.8779

Details

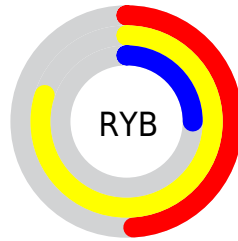
The Yxy color **38.6860, 0.4412, 0.4428** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.7225, 0.1946, 0.1690**, and the grayscale version is **36.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6095, 0.4127, 0.4290**, and **17.2629, 0.4697, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **36.3797, 0.4586, 0.4507**, and if you desaturate by 10%, it is **41.1888, 0.4219, 0.4308**.

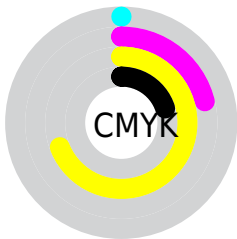
Distribution



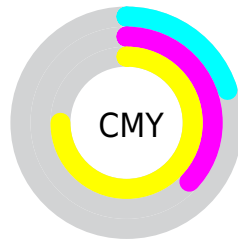
- Red (80%)
- Green (63%)
- Blue (25%)



- Red (49%)
- Yellow (80%)
- Blue (25%)



- Cyan (0%)
- Magenta (21%)
- Yellow (69%)
- Black (20%)



- Cyan (20%)
- Magenta (37%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6860, 0.4412, 0.4428 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 38.6860, 0.4412, 0.4428 by changing the saturation by 10% instead.

 38.6860, 0.4412,
0.4428


 38.6860, 0.4412,
0.4428


340.5536, 0.3790,
0.3897


 26.5155, 0.4546,
0.4534


 73.1584, 0.4199,
0.4252


 17.2097, 0.4700,
0.4649


 96.2291, 0.4114,
0.4180


 10.3841, 0.4871,
0.4765


 123.7020, 0.4041,
0.4117

 5.6544, 0.5095,
0.4905

 155.9616, 0.3977,
0.4062

 2.6361, 0.5158,
0.4842

 193.3921, 0.3922,
0.4013

 0.9448, 0.5272,
0.4728

236.3780, 0.3872,

 0.0000, 0.0000,

0.3970

0.0000

285.3037, 0.3829,
0.3932

■ 38.6860, 0.4412,
0.4428

■ 38.6860, 0.4412,
0.4428

■ 36.3797, 0.4586,
0.4507

■ 41.1888, 0.4219,
0.4308

■ 34.2528, 0.4734,
0.4538

■ 43.8923, 0.4018,
0.4157

■ 32.2889, 0.4852,
0.4523

■ 46.8072, 0.3816,
0.3986

■ 32.1239, 0.4862,
0.4521

■ 49.9417, 0.3621,
0.3806

■ 53.3032, 0.3438,
0.3624

■ 56.8988, 0.3269,
0.3446

■ 60.7350, 0.3114,
0.3276

■ 64.8182, 0.2975,
0.3115

■ 69.1543, 0.2850,
0.2967

Harmonies

Analogous

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



38.6860, 0.4744, 0.3861



38.6860, 0.4412, 0.4428



38.6860, 0.3759, 0.4790

Triad

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



38.6860, 0.4412, 0.4428



38.6860, 0.1848, 0.3046



38.6860, 0.3102, 0.2304

Complementary

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



38.6860, 0.4412, 0.4428



15.7225, 0.1946, 0.1690

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.



38.6860, 0.2371, 0.2083



38.6860, 0.4412, 0.4428



38.6860, 0.1729, 0.2408

Square

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



38.6860, 0.4412, 0.4428



38.6860, 0.2283, 0.3928



38.6860, 0.1905, 0.2103



38.6860, 0.3947, 0.2722

Rectangle

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



38.6860, 0.4412, 0.4428



38.6860, 0.3241, 0.4767



38.6860, 0.1905, 0.2103



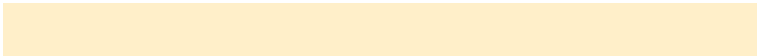
38.6860, 0.2834, 0.2206

Sweetspot

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



38.6879, 0.4412, 0.4428



87.0373, 0.3476, 0.3663



17.4669, 0.4681, 0.2784



18.2930, 0.3527, 0.3714



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.



38.6879, 0.4412, 0.4428



58.4597, 0.4663, 0.4529



53.0343, 0.3832, 0.4970



12.4967, 0.3273, 0.3450



20.3871, 0.4851, 0.4531



1.1818, 0.4693, 0.4656

Inverse Universe

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



15.7225, 0.1946, 0.1690



18.4450, 0.1747, 0.1320



10.0286, 0.1974, 0.1180



11.3927, 0.2983, 0.3124



5.0725, 0.1617, 0.1022



0.3965, 0.1729, 0.1424

Previews

White Background



This preview shows how the Yxy color 38.6860, 0.4412, 0.4428 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 38.6860, 0.4412, 0.4428 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 38.6860, 0.4412, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 38.6860, 0.4412, 0.4428.



This preview shows how white text looks on a background with the Yxy color 38.6860, 0.4412, 0.4428.

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

38.6860, 0.4412, 0.4428

Protanopia

38.9517, 0.4168, 0.4580

Deuteranopia

38.7217, 0.4473, 0.4372



Tritanopia

38.5907, 0.3634, 0.3155

Trichromacy



Original Color

38.6860, 0.4412, 0.4428

Protanomaly

38.6179, 0.4260, 0.4523

Deuteranomaly

38.7772, 0.4444, 0.4393

Tritanomaly

38.3589, 0.3959, 0.3660

Monochromacy



Original Color

38.6860, 0.4412, 0.4428

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8379, 0.3609, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6860, 0.4412, 0.4428 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(204, 161, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 161, 63)  
}
```

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(204, 161, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 161, 63) }
```

Border

The CSS property to change the border of an element to Yxy 38.6860, 0.4412, 0.4428 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(204, 161, 63) }
```

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

```
.border{ border-color:rgb(204, 161, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 161, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 161, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 161, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 161,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6860, 0.4412, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 161, 63) }
```

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

```
.background{ background-color: rgb(204,  
161, 63) }
```

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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