

Converting Colors

$Y_{xy}(77.6795, 0.4486, 0.4064)$

Have a look what the booklet for
Yxy(77.6795, 0.4486, 0.4064)
contains.

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Color

Yxy(68.1689, 0.4149, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	FFD176
RGB	255, 209, 118
RGB Percent	100%, 82%, 46%
CMY	0.0000, 0.1804, 0.5372
CMYK	0.00, 0.18, 0.54, 0.00
HSL	40°, 100%, 73%
HSV	40°, 54%, 100%
XYZ	67.3091, 68.1689, 26.7517
YIQ	212.3800, 56.6270, -18.5490

Conversions

Conversions Part 2

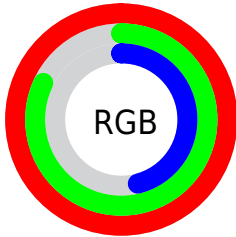
Format	Color
RYB	187, 255, 118
Decimal	16765302
CIELab	86.09, 5.63, 50.75
CIELCh	86, 51.065, 83.676
Yxy	68.1689, 0.4149, 0.4202
Android (android.graphics.Color)	4294955382 (0xFFFFD176)
YUV	212.3800, -46.5293, 37.3777
Hunter-Lab	82.5645, 1.0309, 38.5846

Details

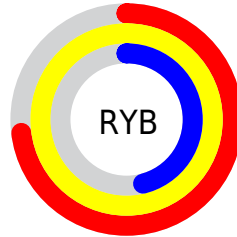
The Yxy color **68.1689, 0.4149, 0.4202** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.6202, 0.2201, 0.2135**, and the grayscale version is **66.3940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **35.5718, 0.4369, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **63.5571, 0.4361, 0.4334**, and if you desaturate by 10%, it is **73.1767, 0.3935, 0.4044**.

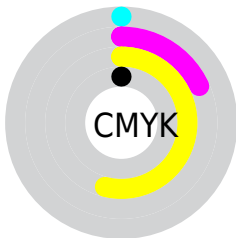
Distribution



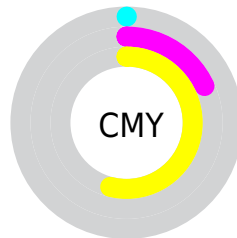
- Red (100%)
- Green (82%)
- Blue (46%)



- Red (73%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (18%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1689, 0.4149, 0.4202 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 68.1689, 0.4149, 0.4202 by changing the saturation by 10% instead.

 68.1689, 0.4149,
0.4202

 68.1689, 0.4149,
0.4202


454.0942, 0.3687,
0.3801


 50.0352, 0.4247,
0.4284


 116.5937, 0.3994,
0.4070

 35.4413, 0.4363,
0.4379


 147.6536, 0.3931,
0.4016

 24.0030, 0.4501,
0.4487

 183.7910, 0.3877,
0.3969

 15.3359, 0.4662,
0.4608

225.3903, 0.3830,
0.3927

 9.0554, 0.4846,
0.4734

272.8358, 0.3788,
0.3890

 4.7774, 0.5102,
0.4898

326.5121, 0.3750,

 2.1172, 0.5172,

0.3857

0.4828

386.8034, 0.3717,
0.3828

0.6743, 0.5358,
0.4642

0.0000, 0.0000,
0.0000

68.1689, 0.4149,
0.4202

68.1689, 0.4149,
0.4202

63.5571, 0.4361,
0.4334

73.1767, 0.3935,
0.4044

59.3146, 0.4560,
0.4429

78.5863, 0.3727,
0.3872

55.4253, 0.4736,
0.4476

84.4150, 0.3530,
0.3695

51.8663, 0.4881,
0.4471

90.6763, 0.3349,
0.3520

■ 49.7816, 0.4957,
0.4446

■ 97.3827, 0.3184,
0.3351

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



68.1689, 0.4378, 0.3773



68.1689, 0.4149, 0.4202



68.1689, 0.3653, 0.4435

Triad

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



68.1689, 0.4149, 0.4202



68.1689, 0.2124, 0.3131



68.1689, 0.3111, 0.2503

Complementary

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



68.1689, 0.4149, 0.4202



37.6202, 0.2201, 0.2135

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.



68.1689, 0.2536, 0.2327



68.1689, 0.4149, 0.4202



68.1689, 0.2014, 0.2623

Square

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



68.1689, 0.4149, 0.4202



68.1689, 0.2487, 0.3780



68.1689, 0.2155, 0.2357



68.1689, 0.3751, 0.2845

Rectangle

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



68.1689, 0.4149, 0.4202



68.1689, 0.3249, 0.4392



68.1689, 0.2155, 0.2357



68.1689, 0.2903, 0.2424

Sweetspot

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



68.1722, 0.4149, 0.4202



89.2159, 0.3389, 0.3559



36.9691, 0.4140, 0.2803



18.8167, 0.3426, 0.3595



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.



68.1722, 0.4149, 0.4202



63.4375, 0.4367, 0.4337



90.3920, 0.3764, 0.4654



20.0031, 0.3278, 0.3447



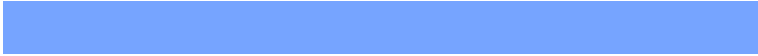
26.3002, 0.4941, 0.4459



2.7625, 0.4834, 0.4544

Inverse Universe

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



37.6202, 0.2201, 0.2135



30.2236, 0.2029, 0.1869



25.6292, 0.2216, 0.1618



18.3741, 0.2979, 0.3128



7.4621, 0.1634, 0.1081



0.9185, 0.1696, 0.1305

Previews

White Background



This preview shows how the Yxy color 68.1689, 0.4149, 0.4202 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 68.1689, 0.4149, 0.4202 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 68.1689, 0.4149, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 68.1689, 0.4149, 0.4202.



This preview shows how white text looks on a background with the Yxy color 68.1689, 0.4149, 0.4202.

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

68.1689, 0.4149, 0.4202

Protanopia

68.4723, 0.3954, 0.4306

Deuteranopia

68.3854, 0.3975, 0.3949



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.1689, 0.4149, 0.4202

Protanomaly

68.1535, 0.4032, 0.4265

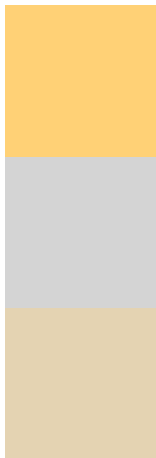
Deuteranomaly

68.1210, 0.4039, 0.4036

Tritanomaly

68.1773, 0.3720, 0.3561

Monochromacy



Original Color

68.1689, 0.4149, 0.4202

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.2969, 0.3495, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1689, 0.4149, 0.4202 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(255, 209, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 118)  
}
```

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(255, 209, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 118) }
```

Border

The CSS property to change the border of an element to Yxy 68.1689, 0.4149, 0.4202 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(255, 209, 118) }
```

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

```
.border{ border-color:rgb(255, 209, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1689, 0.4149, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 118) }
```

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

```
.background{ background-color: rgb(255,  
209, 118) }
```

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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