

Converting Colors

$Yxy(68.2374, 0.4137, 0.4186)$

Have a look what the booklet for
Yxy(68.2374, 0.4137, 0.4186)
contains.

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Color

Yxy(68.2170, 0.4136, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	FFD178
RGB	255, 209, 120
RGB Percent	100%, 82%, 47%
CMY	0.0000, 0.1804, 0.5293
CMYK	0.00, 0.18, 0.53, 0.00
HSL	40°, 100%, 74%
HSV	40°, 53%, 100%
XYZ	67.4344, 68.2170, 27.3911
YIQ	212.6080, 55.9850, -17.9270

Conversions

Conversions Part 2

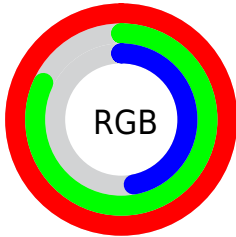
Format	Color
RYB	190, 255, 120
Decimal	16765304
CIELab	86.11, 5.80, 49.81
CIElCh	86, 50.142, 83.360
Yxy	68.2170, 0.4136, 0.4184
Android (android.graphics.Color)	4294955384 (0xFFFFD178)
YUV	212.6080, -45.6557, 37.1778
Hunter-Lab	82.5936, 1.1994, 38.1527

Details

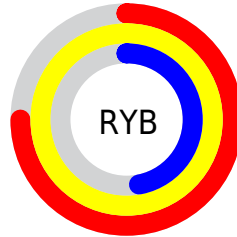
The Yxy color **68.2170, 0.4136, 0.4184** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4980, 0.2217, 0.2164**, and the grayscale version is **66.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **35.5958, 0.4355, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **63.5307, 0.4350, 0.4318**, and if you desaturate by 10%, it is **73.3041, 0.3921, 0.4026**.

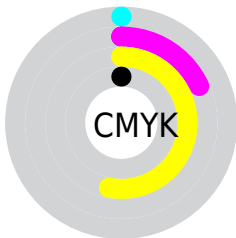
Distribution



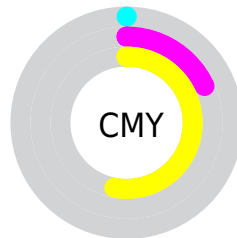
- Red (100%)
- Green (82%)
- Blue (47%)



- Red (75%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (18%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2170, 0.4136, 0.4184 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 68.2170, 0.4136, 0.4184 by changing the saturation by 10% instead.


 68.2170, 0.4136,
0.4184

 68.2170, 0.4136,
0.4184


454.2645, 0.3679,
0.3790


 50.0743, 0.4234,
0.4265


 116.6625, 0.3982,
0.4054

 35.4724, 0.4349,
0.4358


 147.7341, 0.3920,
0.4001

 24.0270, 0.4487,
0.4466


 183.8842, 0.3867,
0.3955

 15.3537, 0.4649,
0.4587

225.4970, 0.3820,
0.3914

 9.0680, 0.4835,
0.4712

272.9571, 0.3778,
0.3878

 4.7855, 0.5109,
0.4891

326.6487, 0.3741,

 2.1220, 0.5181,

0.3846

0.4819

386.9564, 0.3708,
0.3816

0.6770, 0.5369,
0.4631

0.0000, 0.0000,
0.0000

68.2170, 0.4136,
0.4184

68.2170, 0.4136,
0.4184

63.5307, 0.4350,
0.4318

73.3041, 0.3921,
0.4026

59.2231, 0.4553,
0.4415

78.8026, 0.3712,
0.3854

55.2766, 0.4734,
0.4465

84.7284, 0.3516,
0.3678

51.6687, 0.4883,
0.4463

91.0949, 0.3336,
0.3504

■ 49.3004, 0.4971,
0.4435

■ 97.9147, 0.3172,
0.3337

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



68.2170, 0.4356, 0.3763



68.2170, 0.4136, 0.4184



68.2170, 0.3651, 0.4413

Triad

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



68.2170, 0.4136, 0.4184



68.2170, 0.2144, 0.3141



68.2170, 0.3105, 0.2513

Complementary

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



68.2170, 0.4136, 0.4184



38.4980, 0.2217, 0.2164

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.



68.2170, 0.2541, 0.2341



68.2170, 0.4136, 0.4184



68.2170, 0.2031, 0.2640

Square

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



68.2170, 0.4136, 0.4184



68.2170, 0.2504, 0.3777



68.2170, 0.2168, 0.2374



68.2170, 0.3734, 0.2848

Rectangle

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



68.2170, 0.4136, 0.4184



68.2170, 0.3255, 0.4372



68.2170, 0.2168, 0.2374



68.2170, 0.2901, 0.2435

Sweetspot

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



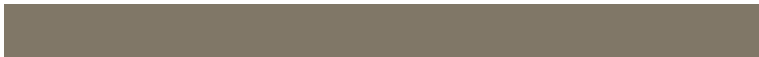
68.2187, 0.4136, 0.4184



89.0923, 0.3389, 0.3557



37.5002, 0.4117, 0.2809



18.7871, 0.3426, 0.3593



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.



68.2187, 0.4136, 0.4184



63.0516, 0.4373, 0.4330



90.4972, 0.3757, 0.4636



19.9869, 0.3278, 0.3446



26.0488, 0.4955, 0.4448



2.7392, 0.4845, 0.4535

Inverse Universe

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



38.4980, 0.2217, 0.2164



30.4830, 0.2031, 0.1880



26.2597, 0.2231, 0.1644



18.3896, 0.2979, 0.3129



7.5737, 0.1637, 0.1094



0.9307, 0.1700, 0.1318

Previews

White Background



This preview shows how the Yxy color 68.2170, 0.4136, 0.4184 looks on a white background.

Color Contrast Check

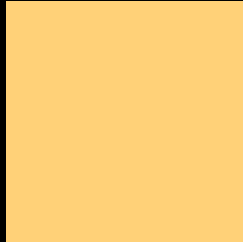
Large Text (above 18pt) WCAG AA × Fail

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 68.2170, 0.4136, 0.4184 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 68.2170, 0.4136, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 68.2170, 0.4136, 0.4184.



This preview shows how white text looks on a background with the Yxy color 68.2170, 0.4136, 0.4184.

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

68.2170, 0.4136, 0.4184

Protanopia

68.5214, 0.3941, 0.4287

Deuteranopia

68.4161, 0.3967, 0.3939



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.2170, 0.4136, 0.4184

Protanomaly

68.2021, 0.4019, 0.4247

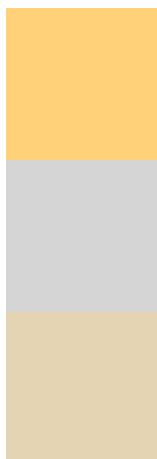
Deuteranomaly

68.1493, 0.4032, 0.4027

Tritanomaly

68.2179, 0.3712, 0.3551

Monochromacy



Original Color

68.2170, 0.4136, 0.4184

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.8356, 0.3485, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2170, 0.4136, 0.4184 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 120) }
```

Border

The CSS property to change the border of an element to Yxy 68.2170, 0.4136, 0.4184 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, 120) }
```

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

```
.border{ border-color:rgb(255, 209, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 120); box-shadow:4px 4px 4px 4px rgb(255, 209, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2170, 0.4136, 0.4184 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, 120) }
```

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

```
.background{ background-color: rgb(255,  
209, 120) }
```

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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