

Converting Colors

$Y_{xy}(86.8629, 0.4710, 0.3990)$

Have a look what the booklet for
Yxy(86.8629, 0.4710, 0.3990)
contains.

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Color

Yxy(68.6375, 0.4150, 0.4220)

Conversions

Conversions Part 1

Format	Color
Hex	FFD275
RGB	255, 210, 117
RGB Percent	100%, 82%, 46%
CMY	0.0000, 0.1765, 0.5413
CMYK	0.00, 0.18, 0.54, 0.00
HSL	40°, 100%, 73%
HSV	40°, 54%, 100%
XYZ	67.4990, 68.6375, 26.5116
YIQ	212.8530, 56.6730, -19.3830

Conversions

Conversions Part 2

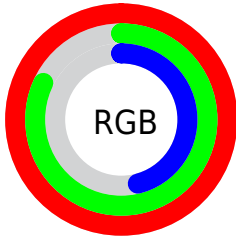
Format	Color
RYB	184, 255, 117
Decimal	16765557
CIELab	86.32, 5.04, 51.53
CIELCh	86, 51.778, 84.417
Yxy	68.6375, 0.4150, 0.4220
Android (android.graphics.Color)	4294955637 (0xFFFFD275)
YUV	212.8530, -47.2555, 36.9629
Hunter-Lab	82.8478, 0.4466, 39.0204

Details

The Yxy color **68.6375, 0.4150, 0.4220** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.8303, 0.2191, 0.2107**, and the grayscale version is **66.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **35.7607, 0.4356, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **64.1198, 0.4358, 0.4353**, and if you desaturate by 10%, it is **73.5346, 0.3939, 0.4061**.

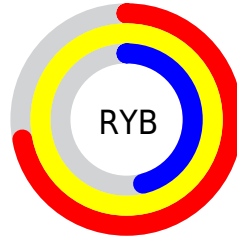
Distribution



Red (100%)

Green (82%)

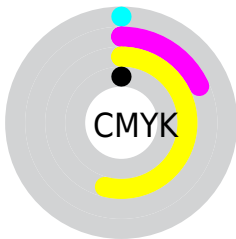
Blue (46%)



Red (72%)

Yellow (100%)

Blue (46%)

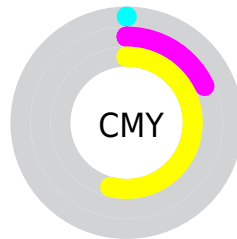


Cyan (0%)

Magenta (18%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6375, 0.4150, 0.4220 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 68.6375, 0.4150, 0.4220 by changing the saturation by 10% instead.

 68.6375, 0.4150,
0.4220

 68.6375, 0.4150,
0.4220


455.7514, 0.3689,
0.3811


 50.4165, 0.4248,
0.4303


 117.2637, 0.3995,
0.4085

 35.7445, 0.4362,
0.4400


 148.4377, 0.3933,
0.4031

 24.2369, 0.4498,
0.4510


 184.6981, 0.3879,
0.3983

 15.5095, 0.4656,
0.4633

226.4295, 0.3832,
0.3940

 9.1777, 0.4836,
0.4762

274.0161, 0.3790,
0.3902

 4.8573, 0.5077,
0.4923

327.8423, 0.3752,

 2.1638, 0.5139,

0.3869

0.4861

388.2927, 0.3719,
0.3838

0.7001, 0.5297,
0.4703

0.0000, 0.0000,
0.0000

68.6375, 0.4150,
0.4220

68.6375, 0.4150,
0.4220

64.1198, 0.4358,
0.4353

73.5346, 0.3939,
0.4061

59.9604, 0.4552,
0.4447

78.8221, 0.3732,
0.3888

56.1416, 0.4723,
0.4494

84.5153, 0.3537,
0.3708

52.6409, 0.4861,
0.4490

90.6275, 0.3356,
0.3530

■ 50.7158, 0.4930,
0.4467

■ 97.1707, 0.3191,
0.3358

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.



68.6375, 0.4391, 0.3789



68.6375, 0.4150, 0.4220



68.6375, 0.3643, 0.4450

Triad

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



68.6375, 0.4150, 0.4220



68.6375, 0.2108, 0.3113



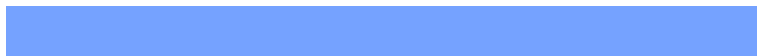
68.6375, 0.3126, 0.2502

Complementary

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



68.6375, 0.4150, 0.4220



36.8303, 0.2191, 0.2107

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.



68.6375, 0.2541, 0.2319



68.6375, 0.4150, 0.4220



68.6375, 0.2003, 0.2605

Square

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



68.6375, 0.4150, 0.4220



68.6375, 0.2468, 0.3769



68.6375, 0.2152, 0.2344



68.6375, 0.3774, 0.2850

Rectangle

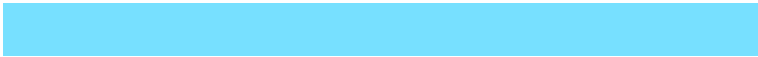
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6375, 0.4150, 0.4220



68.6375, 0.3234, 0.4400



68.6375, 0.2152, 0.2344



68.6375, 0.2915, 0.2420

Sweetspot

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



68.6389, 0.4150, 0.4220



89.4507, 0.3388, 0.3563



36.6203, 0.4180, 0.2824



18.8729, 0.3425, 0.3600



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.



68.6389, 0.4150, 0.4220



63.7429, 0.4375, 0.4362



89.9588, 0.3751, 0.4671



20.0339, 0.3277, 0.3450



26.7838, 0.4915, 0.4480



2.8070, 0.4812, 0.4562

Inverse Universe

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



36.8303, 0.2191, 0.2107



29.0866, 0.2008, 0.1822



25.5102, 0.2223, 0.1610



18.3447, 0.2979, 0.3125



7.2557, 0.1627, 0.1057



0.8957, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 68.6375, 0.4150, 0.4220 looks on a white background.

Color Contrast Check

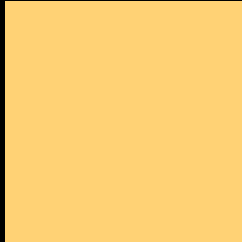
Large Text (above 18pt) WCAG AA × Fail

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 68.6375, 0.4150, 0.4220 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 68.6375, 0.4150, 0.4220

Background



This preview shows how black text looks on a background with the Yxy color 68.6375, 0.4150, 0.4220.



This preview shows how white text looks on a background with the Yxy color 68.6375, 0.4150, 0.4220.

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

68.6375, 0.4150, 0.4220

Protanopia

68.6208, 0.3968, 0.4312

Deuteranopia

68.4471, 0.3960, 0.3929



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.6375, 0.4150, 0.4220

Protanomaly

68.6342, 0.4033, 0.4283

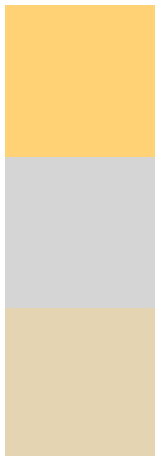
Deuteranomaly

68.6102, 0.4034, 0.4046

Tritanomaly

68.1773, 0.3720, 0.3561

Monochromacy



Original Color

68.6375, 0.4150, 0.4220

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.7953, 0.3492, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6375, 0.4150, 0.4220 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, 210, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 117)  
}
```

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, 210, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 117) }
```

Border

The CSS property to change the border of an element to Yxy 68.6375, 0.4150, 0.4220 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, 210, 117) }
```

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

```
.border{ border-color:rgb(255, 210, 117) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6375, 0.4150, 0.4220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 117) }
```

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

```
.background{ background-color: rgb(255,  
210, 117) }
```

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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