

Converting Colors

$Y_{xy}(67.1970, 0.4153, 0.4468)$

Have a look what the booklet for
Yxy(67.1970, 0.4153, 0.4468)
contains.

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Color

Yxy(67.3103, 0.4152, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	F2D560
RGB	242, 213, 96
RGB Percent	95%, 84%, 38%
CMY	0.0510, 0.1647, 0.6237
CMYK	0.00, 0.12, 0.60, 0.05
HSL	48°, 85%, 66%
HSV	48°, 60%, 95%
XYZ	62.5218, 67.3103, 20.7502
YIQ	208.3330, 54.8410, -30.2390

Conversions

Conversions Part 2

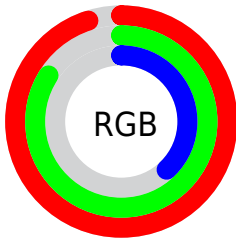
Format	Color
RYB	132, 242, 96
Decimal	15914336
CIELab	85.66, -3.35, 60.18
CIELCh	86, 60.276, 93.183
Yxy	67.3103, 0.4152, 0.4470
Android (android.graphics.Color)	4294104416 (0xFFFF2D560)
YUV	208.3330, -55.3802, 29.5260
Hunter-Lab	82.0429, -7.5468, 42.4344

Details

The Yxy color **67.3103, 0.4152, 0.4470** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **23.5474, 0.2030, 0.1697**, and the grayscale version is **63.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9820, 0.3745, 0.4311**, and **35.0236, 0.4339, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **64.5533, 0.4304, 0.4601**, and if you desaturate by 10%, it is **70.2824, 0.3983, 0.4304**.

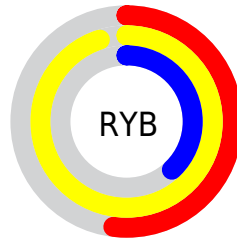
Distribution



Red (95%)

Green (84%)

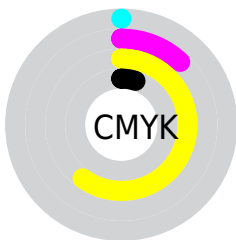
Blue (38%)



Red (52%)

Yellow (95%)

Blue (38%)

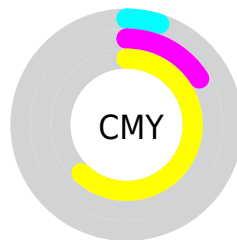


Cyan (0%)

Magenta (12%)

Yellow (60%)

Black (5%)



Cyan (5%)


Magenta (16%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3103, 0.4152, 0.4470 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 67.3103, 0.4152, 0.4470 by changing the saturation by 10% instead.

 67.3103, 0.4152,
0.4470

 67.3103, 0.4152,
0.4470


451.0485, 0.3705,
0.3945


 49.3368, 0.4240,
0.4577


 115.3649, 0.4006,
0.4297

 34.8868, 0.4340,
0.4699


 146.2149, 0.3947,
0.4227

 23.5757, 0.4451,
0.4838


 182.1258, 0.3894,
0.4165

 15.0191, 0.4566,
0.4990

 223.4821, 0.3847,
0.4111

 8.8328, 0.4734,
0.5212

270.6681, 0.3806,
0.4062

 4.6323, 0.4732,
0.5268

324.0682, 0.3768,

 2.0332, 0.4687,

0.4019

384.0669, 0.3735,
0.3980

0.5313

0.6266, 0.4506,
0.5494

0.0000, 0.0000,
0.0000

67.3103, 0.4152,
0.4470

67.3103, 0.4152,
0.4470

64.5533, 0.4304,
0.4601

70.2824, 0.3983,
0.4304

61.9882, 0.4432,
0.4689


73.4720, 0.3806,
0.4115


59.6020, 0.4531,
0.4729


76.8931, 0.3628,
0.3911


57.4437, 0.4601,
0.4728


80.5557, 0.3453,
0.3702

 84.4688, 0.3287,
0.3496

 88.6411, 0.3132,
0.3297

 92.3961, 0.3049,
0.3208

 95.3665, 0.3048,
0.3255

 97.6173, 0.3047,
0.3290

Harmonies

Analogous

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



67.3103, 0.4552, 0.3998



67.3103, 0.4152, 0.4470



67.3103, 0.3504, 0.4662

Triad

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



67.3103, 0.4152, 0.4470



67.3103, 0.1890, 0.2869



67.3103, 0.3343, 0.2485

Complementary

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



67.3103, 0.4152, 0.4470



23.5474, 0.2030, 0.1697

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.



67.3103, 0.2622, 0.2219



67.3103, 0.4152, 0.4470



67.3103, 0.1861, 0.2373

Square

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



67.3103, 0.4152, 0.4470



67.3103, 0.2209, 0.3620



67.3103, 0.2108, 0.2168



67.3103, 0.4082, 0.2919

Rectangle

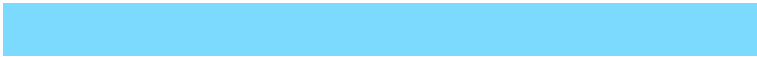
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.3103, 0.4152, 0.4470



67.3103, 0.3024, 0.4515



67.3103, 0.2108, 0.2168



67.3103, 0.3088, 0.2375

Sweetspot

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



67.3135, 0.4152, 0.4470



91.7121, 0.3414, 0.3654



28.7186, 0.4642, 0.2995



19.3623, 0.3464, 0.3715



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.



67.3135, 0.4152, 0.4470



72.1507, 0.4330, 0.4621



76.3790, 0.3658, 0.4885



17.8948, 0.3273, 0.3478



31.0564, 0.4593, 0.4735



2.7176, 0.4531, 0.4785

Inverse Universe

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



23.5474, 0.2030, 0.1697



19.2674, 0.1830, 0.1355



20.3224, 0.2252, 0.1477



15.7367, 0.2980, 0.3095



4.7329, 0.1554, 0.0795



0.5290, 0.1617, 0.1021

Previews

White Background



This preview shows how the Yxy color 67.3103, 0.4152, 0.4470 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 67.3103, 0.4152, 0.4470 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 67.3103, 0.4152, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 67.3103, 0.4152, 0.4470.

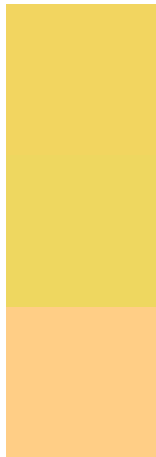


This preview shows how white text looks on a background with the Yxy color 67.3103, 0.4152, 0.4470.

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

67.3103, 0.4152, 0.4470

Protanopia

67.6225, 0.4107, 0.4503

Deuteranopia

67.1238, 0.4056, 0.4027



Tritanopia

66.9619, 0.3417, 0.3126

Trichromacy



Original Color

67.3103, 0.4152, 0.4470

Protanomaly

67.2884, 0.4121, 0.4491

Deuteranomaly

67.2810, 0.4096, 0.4200

Tritanomaly

66.5977, 0.3718, 0.3641

Monochromacy



Original Color

67.3103, 0.4152, 0.4470

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.0989, 0.3514, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3103, 0.4152, 0.4470 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(242, 213, 96)` looks like.

```
.text, #text, p{  
    color:rgb(242, 213, 96)  
}
```

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(242, 213, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 213, 96) }
```

Border

The CSS property to change the border of an element to Yxy 67.3103, 0.4152, 0.4470 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(242, 213, 96) }
```

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

```
.border{ border-color:rgb(242, 213, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 213, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 213, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 213, 96);  
box-shadow:4px 4px 4px 4px rgb(242, 213,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3103, 0.4152, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 213, 96) }
```

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

```
.background{ background-color: rgb(242,  
213, 96) }
```

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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