

Converting Colors

$Y_{xy}(67.1965, 0.4320, 0.4514)$

Have a look what the booklet for
Yxy(67.1965, 0.4320, 0.4514)
contains.

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Color

Yxy(67.1965, 0.4320, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	FBD251
RGB	251, 210, 81
RGB Percent	98%, 82%, 32%
CMY	0.0158, 0.1764, 0.6825
CMYK	0.00, 0.16, 0.68, 0.02
HSL	46°, 95%, 65%
HSV	46°, 68%, 98%
XYZ	64.3086, 67.1965, 17.3574
YIQ	207.5530, 65.8450, -31.4270

Conversions

Conversions Part 2

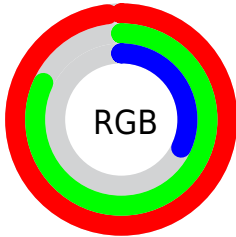
Format	Color
RYB	135, 251, 81
Decimal	16503377
CIELab	85.60, 1.00, 66.73
CIELCh	86, 66.742, 89.138
Yxy	67.1965, 0.4320, 0.4514
Android (android.graphics.Color)	4294693457 (0xFFFFBD251)
YUV	207.5530, -62.3906, 38.1030
Hunter-Lab	81.9735, -3.4195, 44.8272

Details

The Yxy color **67.1965, 0.4320, 0.4514** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.6121, 0.1920, 0.1565**, and the grayscale version is **63.1499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **34.8938, 0.4532, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **63.9604, 0.4471, 0.4607**, and if you desaturate by 10%, it is **70.6910, 0.4148, 0.4380**.

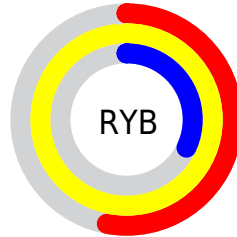
Distribution



Red (98%)

Green (82%)

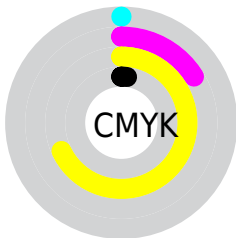
Blue (32%)



Red (53%)

Yellow (98%)

Blue (32%)

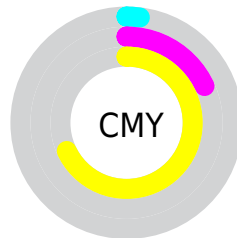


Cyan (0%)

Magenta (16%)

Yellow (68%)

Black (2%)



Cyan (2%)

Magenta (18%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1965, 0.4320, 0.4514 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 67.1965, 0.4320, 0.4514 by changing the saturation by 10% instead.


 67.1965, 0.4320,
0.4514

 67.1965, 0.4320,
0.4514


450.6439, 0.3805,
0.3988


 49.2443, 0.4419,
0.4614

 115.2019, 0.4155,
0.4346

 34.8133, 0.4529,
0.4724


 146.0240, 0.4086,
0.4276


 23.5191, 0.4647,
0.4842


 181.9048, 0.4025,
0.4214

 14.9773, 0.4766,
0.4958

 223.2287, 0.3971,
0.4159

 8.8035, 0.4907,
0.5093

 270.3802, 0.3923,
0.4109

 4.6132, 0.4915,
0.5085

323.7437, 0.3879,

 2.0222, 0.4928,

0.4065

0.5072

383.7034, 0.3840,
0.4025

■ 0.6203, 0.4975,
0.5025

■ 0.0000, 0.0000,
0.0000

■ 67.1965, 0.4320,
0.4514

■ 67.1965, 0.4320,
0.4514

■ 63.9604, 0.4471,
0.4607

■ 70.6910, 0.4148,
0.4380

■ 60.9554, 0.4594,
0.4652


■ 74.4490, 0.3964,
0.4214

■ 58.1621, 0.4687,
0.4650

■ 78.4872, 0.3775,
0.4027

■ 57.5530, 0.4706,
0.4646

■ 82.8175, 0.3590,
0.3830

 87.4511, 0.3413,
0.3630

 92.3983, 0.3247,
0.3435

 97.5623, 0.3103,
0.3265

 99.2452, 0.3102,
0.3290

Harmonies

Analogous

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



67.1965, 0.4721, 0.3963



67.1965, 0.4320, 0.4514



67.1965, 0.3630, 0.4813

Triad

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



67.1965, 0.4320, 0.4514



67.1965, 0.1803, 0.2913



67.1965, 0.3246, 0.2362

Complementary

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



67.1965, 0.4320, 0.4514



22.6121, 0.1920, 0.1565

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.



67.1965, 0.2477, 0.2103



67.1965, 0.4320, 0.4514



67.1965, 0.1736, 0.2331

Square

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



67.1965, 0.4320, 0.4514



67.1965, 0.2185, 0.3775



67.1965, 0.1962, 0.2078



67.1965, 0.4083, 0.2807

Rectangle

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



67.1965, 0.4320, 0.4514



67.1965, 0.3106, 0.4719



67.1965, 0.1962, 0.2078



67.1965, 0.2969, 0.2252

Sweetspot

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



67.1997, 0.4320, 0.4514



89.5488, 0.3452, 0.3676



27.8263, 0.4827, 0.2900



18.8753, 0.3502, 0.3732



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.



67.1997, 0.4320, 0.4514



65.2524, 0.4515, 0.4628



83.0530, 0.3749, 0.5012



19.4405, 0.3275, 0.3469



30.4963, 0.4695, 0.4654



2.9882, 0.4623, 0.4712

Inverse Universe

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



22.6121, 0.1920, 0.1565



16.6350, 0.1730, 0.1215



17.0885, 0.2061, 0.1232



17.3220, 0.2979, 0.3104



5.5735, 0.1575, 0.0868



0.6736, 0.1635, 0.1085

Previews

White Background



This preview shows how the Yxy color 67.1965, 0.4320, 0.4514 looks on a white background.

Color Contrast Check

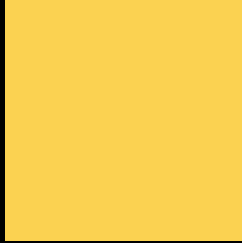
Large Text (above 18pt) WCAG AA × Fail

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 67.1965, 0.4320, 0.4514 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 67.1965, 0.4320, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 67.1965, 0.4320, 0.4514.



This preview shows how white text looks on a background with the Yxy color 67.1965, 0.4320, 0.4514.

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

67.1965, 0.4320, 0.4514

Protanopia

67.0531, 0.4192, 0.4595

Deuteranopia

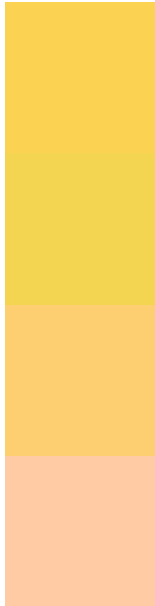
67.0413, 0.4078, 0.4056



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

67.1965, 0.4320, 0.4514

Protanomaly

67.2524, 0.4231, 0.4568

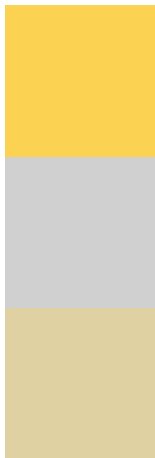
Deuteranomaly

66.8887, 0.4185, 0.4231

Tritanomaly

66.4630, 0.3836, 0.3698

Monochromacy



Original Color

67.1965, 0.4320, 0.4514

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.0569, 0.3586, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1965, 0.4320, 0.4514 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(251, 210, 81)` looks like.

```
.text, #text, p{  
    color:rgb(251, 210, 81)  
}
```

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(251, 210, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 210, 81) }
```

Border

The CSS property to change the border of an element to Yxy 67.1965, 0.4320, 0.4514 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(251, 210, 81) }
```

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

```
.border{ border-color:rgb(251, 210, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 210, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 210, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 210, 81);  
box-shadow:4px 4px 4px 4px rgb(251, 210,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1965, 0.4320, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 210, 81) }
```

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

```
.background{ background-color: rgb(251,  
210, 81) }
```

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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