

Converting Colors

$Yxy(64.9664, 0.4337, 0.4595)$

Have a look what the booklet for
Yxy(64.9664, 0.4337, 0.4595)
contains.

Yxy(64.9664, 0.4337, 0.4595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9664, 0.4337, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	F5D046
RGB	245, 208, 70
RGB Percent	96%, 82%, 27%
CMY	0.0392, 0.1843, 0.7255
CMYK	0.00, 0.15, 0.71, 0.04
HSL	47°, 90%, 62%
HSV	47°, 71%, 96%
XYZ	61.3187, 64.9664, 15.0999
YIQ	203.3310, 66.3500, -35.0740

Conversions

Conversions Part 2

Format	Color
RYB	117, 245, 70
Decimal	16109638
CIELab	84.47, -1.01, 69.70
CIELCh	84, 69.703, 90.828
Yxy	64.9664, 0.4337, 0.4595
Android (android.graphics.Color)	4294299718 (0xFFFF5D046)
YUV	203.3310, -65.7322, 36.5437
Hunter-Lab	80.6017, -5.2572, 45.3138

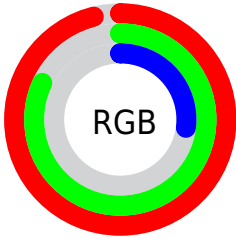
Details

The Yxy color **64.9664, 0.4337, 0.4595** is a light color, and the websafe version is hex **FFCC33**.

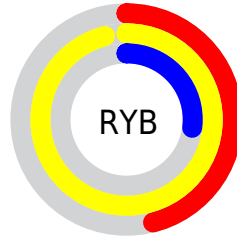
The color can be described as light washed yellow. A complement of this color would be **18.4080, 0.1847, 0.1402**, and the grayscale version is **60.3317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **33.4255, 0.4523, 0.4790** is the 20% darker color. If you saturate the color by 10%, you get **62.2359, 0.4467, 0.4676**, and if you desaturate by 10%, it is **67.9117, 0.4183, 0.4470**.

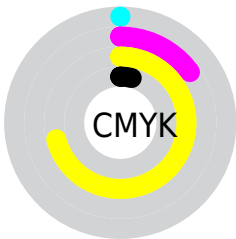
Distribution



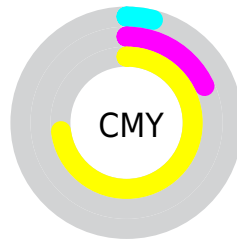
- Red (96%)
- Green (82%)
- Blue (27%)



- Red (46%)
- Yellow (96%)
- Blue (27%)



- Cyan (0%)
- Magenta (15%)
- Yellow (71%)
- Black (4%)




- Cyan (4%)
- Magenta (18%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9664, 0.4337, 0.4595 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 64.9664, 0.4337, 0.4595 by changing the saturation by 10% instead.

 64.9664, 0.4337,
0.4595


 64.9664, 0.4337,
0.4595


442.6712, 0.3820,
0.4033


 47.4338, 0.4433,
0.4701


 112.0016, 0.4173,
0.4416

 33.3787, 0.4538,
0.4816


 142.2729, 0.4104,
0.4342


 22.4167, 0.4646,
0.4937


 177.5594, 0.4043,
0.4275

 14.1634, 0.4760,
0.5066

 218.2452, 0.3988,
0.4216

 8.2344, 0.4838,
0.5162

 264.7150, 0.3939,
0.4163

 4.2453, 0.4830,
0.5170

317.3530, 0.3895,

 1.8117, 0.4815,

0.4115

376.5436, 0.3856,
0.4072

0.5185

0.4945, 0.4739,
0.5261

0.0000, 0.0000,
0.0000

64.9664, 0.4337,
0.4595

64.9664, 0.4337,
0.4595

62.2359, 0.4467,
0.4676

67.9117, 0.4183,
0.4470


59.6937, 0.4567,
0.4708

71.0770, 0.4011,
0.4310

57.6453, 0.4633,
0.4704


74.4779, 0.3831,
0.4124


78.1260, 0.3650,
0.3924

 82.0316, 0.3473,
0.3718

 86.2044, 0.3305,
0.3514

 90.6534, 0.3149,
0.3317

 94.6586, 0.3067,
0.3236

 97.9125, 0.3066,
0.3286

Harmonies

Analogous

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



64.9664, 0.4789, 0.4017



64.9664, 0.4337, 0.4595



64.9664, 0.3600, 0.4904

Triad

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



64.9664, 0.4337, 0.4595



64.9664, 0.1729, 0.2842



64.9664, 0.3300, 0.2340

Complementary

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



64.9664, 0.4337, 0.4595



18.4080, 0.1847, 0.1402

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.



64.9664, 0.2482, 0.2058



64.9664, 0.4337, 0.4595



64.9664, 0.1679, 0.2257

Square

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



64.9664, 0.4337, 0.4595



64.9664, 0.2103, 0.3746



64.9664, 0.1930, 0.2016



64.9664, 0.4181, 0.2811

Rectangle

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



64.9664, 0.4337, 0.4595



64.9664, 0.3050, 0.4787



64.9664, 0.1930, 0.2016



64.9664, 0.3005, 0.2222

Sweetspot

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



64.9695, 0.4337, 0.4595



90.0065, 0.3467, 0.3710



24.8733, 0.5057, 0.2956



19.0049, 0.3515, 0.3768



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.



64.9695, 0.4337, 0.4595



66.8087, 0.4518, 0.4697



77.4077, 0.3720, 0.5108



18.6840, 0.3274, 0.3475



31.2618, 0.4624, 0.4710



2.8928, 0.4559, 0.4762

Inverse Universe

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



18.4080, 0.1847, 0.1402



13.6337, 0.1657, 0.1037



14.9349, 0.2041, 0.1156



16.4944, 0.2979, 0.3098



5.0260, 0.1560, 0.0815



0.5849, 0.1621, 0.1034

Previews

White Background



This preview shows how the Yxy color 64.9664, 0.4337, 0.4595 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 64.9664, 0.4337, 0.4595 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 64.9664, 0.4337, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 64.9664, 0.4337, 0.4595.



This preview shows how white text looks on a background with the Yxy color 64.9664, 0.4337, 0.4595.

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

64.9664, 0.4337, 0.4595

Protanopia

64.8763, 0.4238, 0.4658

Deuteranopia

64.7160, 0.4217, 0.4173



Tritanopia

64.9434, 0.3497, 0.3137

Trichromacy



Original Color

64.9664, 0.4337, 0.4595

Protanomaly

64.8988, 0.4270, 0.4635

Deuteranomaly

64.5768, 0.4272, 0.4339

Tritanomaly

64.3210, 0.3862, 0.3724

Monochromacy



Original Color

64.9664, 0.4337, 0.4595

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.9346, 0.3600, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9664, 0.4337, 0.4595 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(245, 208, 70)` looks like.

```
.text, #text, p{  
    color:rgb(245, 208, 70)  
}
```

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(245, 208, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 208, 70) }
```

Border

The CSS property to change the border of an element to Yxy 64.9664, 0.4337, 0.4595 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(245, 208, 70) }
```

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

```
.border{ border-color:rgb(245, 208, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 208, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 208, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 208, 70);  
box-shadow:4px 4px 4px 4px rgb(245, 208,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9664, 0.4337, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 208, 70) }
```

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

```
.background{ background-color: rgb(245,  
208, 70) }
```

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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