

Converting Colors

Yxy(64.9088, 0.4392, 0.4554)

Have a look what the booklet for
Yxy(64.9088, 0.4392, 0.4554)
contains.

Yxy(64.9088, 0.4392, 0.4554)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9088, 0.4392, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	FACE46
RGB	250, 206, 70
RGB Percent	98%, 81%, 27%
CMY	0.0196, 0.1921, 0.7255
CMYK	0.00, 0.18, 0.72, 0.02
HSL	45°, 95%, 63%
HSV	45°, 72%, 98%
XYZ	62.5998, 64.9088, 15.0228
YIQ	203.6520, 69.8800, -32.9680

Conversions

Conversions Part 2

Format	Color
RYB	128, 250, 70
Decimal	16436806
CIELab	84.44, 2.11, 69.82
CIELCh	84, 69.853, 88.270
Yxy	64.9088, 0.4392, 0.4554
Android (android.graphics.Color)	4294626886 (0xFFFFACE46)
YUV	203.6520, -65.8904, 40.6472
Hunter-Lab	80.5660, -2.2960, 45.3406

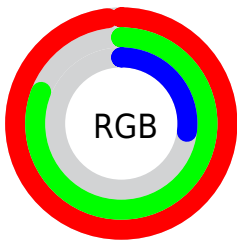
Details

The Yxy color **64.9088, 0.4392, 0.4554** is a light color, and the websafe version is hex **FFCC33**.

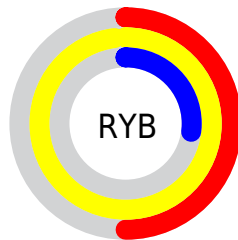
The color can be described as light washed yellow. A complement of this color would be **20.2352, 0.1856, 0.1456**, and the grayscale version is **60.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **33.2753, 0.4588, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **61.7744, 0.4533, 0.4627**, and if you desaturate by 10%, it is **68.2951, 0.4227, 0.4437**.

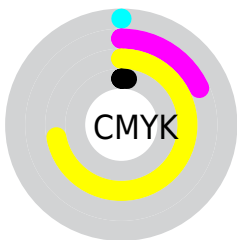
Distribution



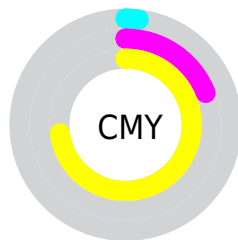
- Red (98%)
- Green (81%)
- Blue (27%)



- Red (50%)
- Yellow (98%)
- Blue (27%)



- Cyan (0%)
- Magenta (18%)
- Yellow (72%)
- Black (2%)





- Cyan (2%)
- Magenta (19%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9088, 0.4392, 0.4554 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 64.9088, 0.4392, 0.4554 by changing the saturation by 10% instead.


 64.9088, 0.4392,
0.4554


 64.9088, 0.4392,
0.4554


442.4642, 0.3848,
0.4017


 47.3871, 0.4494,
0.4653


 111.9187, 0.4219,
0.4385


 33.3418, 0.4606,
0.4759


 142.1758, 0.4146,
0.4314


 22.3884, 0.4724,
0.4868


 177.4468, 0.4082,
0.4250

 14.1426, 0.4851,
0.4982

 218.1160, 0.4025,
0.4193

 8.2199, 0.4945,
0.5055

 264.5680, 0.3973,
0.4142

 4.2360, 0.4963,
0.5037

317.1871, 0.3927,

 1.8064, 0.4993,

0.4096

0.5007

376.3577, 0.3885,
0.4055

■ 0.4912, 0.5134,
0.4866

■ 0.0000, 0.0000,
0.0000

■ 64.9088, 0.4392,
0.4554

■ 64.9088, 0.4392,
0.4554

■ 61.7744, 0.4533,
0.4627

■ 68.2951, 0.4227,
0.4437

■ 58.8637, 0.4645,
0.4650

■ 71.9397, 0.4045,
0.4283


■ 56.6763, 0.4714,
0.4639

■ 75.8595, 0.3857,
0.4105


■ 80.0671, 0.3669,
0.3912

 84.5738, 0.3487,
0.3713

 89.3903, 0.3316,
0.3517

 94.5265, 0.3157,
0.3327

 98.9879, 0.3096,
0.3289

 99.0630, 0.3096,
0.3290

Harmonies

Analogous

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



64.9088, 0.4811, 0.3965



64.9088, 0.4392, 0.4554



64.9088, 0.3669, 0.4901

Triad

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



64.9088, 0.4392, 0.4554



64.9088, 0.1745, 0.2907



64.9088, 0.3223, 0.2306

Complementary

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



64.9088, 0.4392, 0.4554



20.2352, 0.1856, 0.1456

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.



64.9088, 0.2421, 0.2043



64.9088, 0.4392, 0.4554



64.9088, 0.1668, 0.2290

Square

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



64.9088, 0.4392, 0.4554



64.9088, 0.2148, 0.3831



64.9088, 0.1894, 0.2022



64.9088, 0.4115, 0.2764

Rectangle

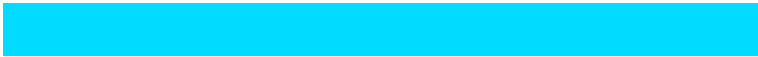
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.9088, 0.4392, 0.4554



64.9088, 0.3120, 0.4824



64.9088, 0.1894, 0.2022



64.9088, 0.2932, 0.2193

Sweetspot

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



64.9119, 0.4392, 0.4554



88.4617, 0.3488, 0.3714



25.9410, 0.4994, 0.2898



18.6538, 0.3536, 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.



64.9119, 0.4392, 0.4554



63.3497, 0.4583, 0.4642



81.7886, 0.3764, 0.5091



19.4299, 0.3275, 0.3468



30.3015, 0.4704, 0.4647



2.9716, 0.4630, 0.4706

Inverse Universe

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



20.2352, 0.1856, 0.1456



14.7830, 0.1676, 0.1108



14.9268, 0.1988, 0.1119



17.3318, 0.2979, 0.3105



5.6240, 0.1576, 0.0875



0.6795, 0.1637, 0.1093

Previews

White Background



This preview shows how the Yxy color 64.9088, 0.4392, 0.4554 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 64.9088, 0.4392, 0.4554 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 64.9088, 0.4392, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 64.9088, 0.4392, 0.4554.



This preview shows how white text looks on a background with the Yxy color 64.9088, 0.4392, 0.4554.

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

64.9088, 0.4392, 0.4554

Protanopia

64.8763, 0.4238, 0.4658

Deuteranopia

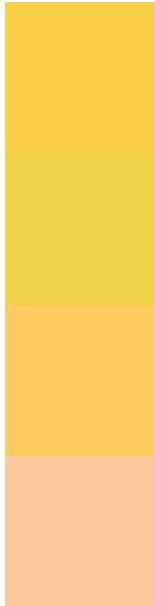
64.7160, 0.4217, 0.4173



Tritanopia

64.8443, 0.3513, 0.3157

Trichromacy



Original Color

64.9088, 0.4392, 0.4554

Protanomaly

64.7566, 0.4293, 0.4617

Deuteranomaly

64.4764, 0.4295, 0.4322

Tritanomaly

64.1981, 0.3890, 0.3722

Monochromacy



Original Color

64.9088, 0.4392, 0.4554

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4014, 0.3625, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9088, 0.4392, 0.4554 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(250, 206, 70)` looks like.

```
.text, #text, p{  
    color:rgb(250, 206, 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(250, 206, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 206, 70) }
```

Border

The CSS property to change the border of an element to Yxy 64.9088, 0.4392, 0.4554 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(250, 206, 70) }
```

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

```
.border{ border-color:rgb(250, 206, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 206, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 206, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 206, 70);  
box-shadow:4px 4px 4px 4px rgb(250, 206,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9088, 0.4392, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 206, 70) }
```

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

```
.background{ background-color: rgb(250,  
206, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor