

Converting Colors

$Yxy(57.2297, 0.4363, 0.4525)$

Have a look what the booklet for
Yxy(57.2297, 0.4363, 0.4525)
contains.

Yxy(57.3180, 0.4361, 0.4525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.3180, 0.4361, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	ECC347
RGB	236, 195, 71
RGB Percent	93%, 76%, 28%
CMY	0.0746, 0.2352, 0.7216
CMYK	0.00, 0.17, 0.70, 0.07
HSL	45°, 81%, 60%
HSV	45°, 70%, 93%
XYZ	55.2406, 57.3180, 14.1110
YIQ	193.1230, 64.2400, -29.8720

Conversions

Conversions Part 2

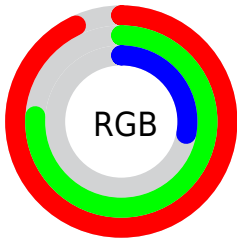
Format	Color
RYB	126, 236, 71
Decimal	15516487
CIELab	80.36, 1.93, 64.92
CIElCh	80, 64.952, 88.300
Yxy	57.3180, 0.4361, 0.4525
Android (android.graphics.Color)	4293706567 (0xFFECC347)
YUV	193.1230, -60.2066, 37.6031
Hunter-Lab	75.7087, -2.2481, 41.9453

Details

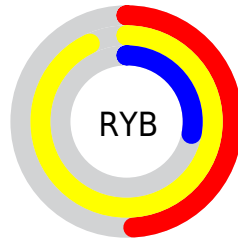
The Yxy color **57.3180, 0.4361, 0.4525** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **18.9748, 0.1893, 0.1527**, and the grayscale version is **53.7376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7607, 0.3887, 0.4487**, and **28.5761, 0.4580, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **54.4993, 0.4510, 0.4608**, and if you desaturate by 10%, it is **60.3629, 0.4190, 0.4400**.

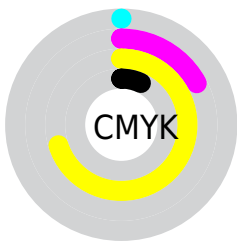
Distribution



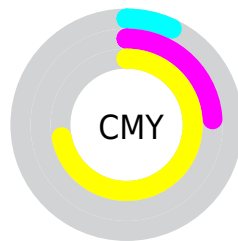
- Red (93%)
- Green (76%)
- Blue (28%)



- Red (49%)
- Yellow (93%)
- Blue (28%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (24%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.3180, 0.4361, 0.4525 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 57.3180, 0.4361, 0.4525 by changing the saturation by 10% instead.


 57.3180, 0.4361,
0.4525


 57.3180, 0.4361,
0.4525


414.6398, 0.3813,
0.3983


 41.2606, 0.4468,
0.4628


 100.9290, 0.4183,
0.4351

 28.5228, 0.4586,
0.4742


 129.2515, 0.4110,
0.4279


 18.7201, 0.4713,
0.4859


 162.4311, 0.4045,
0.4214

 11.4682, 0.4862,
0.4996

 200.8522, 0.3988,
0.4157

 6.3827, 0.4945,
0.5055

 244.8992, 0.3937,
0.4107

 3.0791, 0.4965,
0.5035

294.9566, 0.3891,

 1.1732, 0.4999,

0.4061

0.5001

351.4086, 0.3850,
0.4020

0.0396, 0.6812,
0.3188

0.0000, 0.0000,
0.0000

57.3180, 0.4361,
0.4525

57.3180, 0.4361,
0.4525

54.4993, 0.4510,
0.4608

60.3629, 0.4190,
0.4400

51.8829, 0.4630,
0.4642

63.6389, 0.4006,
0.4241


49.4458, 0.4722,
0.4633


67.1607, 0.3817,
0.4059

49.4262, 0.4722,
0.4632

70.9390, 0.3629,
0.3866

 74.9834, 0.3450,
0.3669

 79.3033, 0.3281,
0.3475

 83.9071, 0.3126,
0.3289

 88.4912, 0.3012,
0.3159

 92.0338, 0.3012,
0.3218

Harmonies

Analogous

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



57.3180, 0.4765, 0.3955



57.3180, 0.4361, 0.4525



57.3180, 0.3659, 0.4851

Triad

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



57.3180, 0.4361, 0.4525



57.3180, 0.1780, 0.2922



57.3180, 0.3223, 0.2331

Complementary

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



57.3180, 0.4361, 0.4525



18.9748, 0.1893, 0.1527

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.



57.3180, 0.2443, 0.2074



57.3180, 0.4361, 0.4525



57.3180, 0.1704, 0.2319

Square

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



57.3180, 0.4361, 0.4525



57.3180, 0.2177, 0.3814



57.3180, 0.1926, 0.2055



57.3180, 0.4086, 0.2780

Rectangle

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



57.3180, 0.4361, 0.4525



57.3180, 0.3125, 0.4771



57.3180, 0.1926, 0.2055



57.3180, 0.2940, 0.2221

Sweetspot

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



57.3208, 0.4361, 0.4525



88.8253, 0.3470, 0.3692



23.5108, 0.4903, 0.2898



18.7214, 0.3520, 0.3746



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.



57.3208, 0.4361, 0.4525



63.5697, 0.4567, 0.4629



72.0041, 0.3756, 0.5049



16.9566, 0.3274, 0.3466



27.4635, 0.4712, 0.4641



2.3065, 0.4625, 0.4710

Inverse Universe

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



18.9748, 0.1893, 0.1527



15.6913, 0.1700, 0.1162



14.0210, 0.2027, 0.1179



15.1566, 0.2980, 0.3108



5.2120, 0.1580, 0.0887



0.5577, 0.1652, 0.1147

Previews

White Background



This preview shows how the Yxy color 57.3180, 0.4361, 0.4525 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 57.3180, 0.4361, 0.4525 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 57.3180, 0.4361, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 57.3180, 0.4361, 0.4525.



This preview shows how white text looks on a background with the Yxy color 57.3180, 0.4361, 0.4525.

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

57.3180, 0.4361, 0.4525

Protanopia

57.4644, 0.4208, 0.4627

Deuteranopia

57.4477, 0.4499, 0.4404



Tritanopia

57.3107, 0.3544, 0.3141

Trichromacy



Original Color

57.3180, 0.4361, 0.4525

Protanomaly

57.3500, 0.4265, 0.4584

Deuteranomaly

57.4002, 0.4447, 0.4453

Tritanomaly

56.6523, 0.3903, 0.3686

Monochromacy



Original Color

57.3180, 0.4361, 0.4525

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.3088, 0.3604, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3180, 0.4361, 0.4525 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(236, 195, 71)` looks like.

```
.text, #text, p{  
    color:rgb(236, 195, 71)  
}
```

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(236, 195, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 195, 71) }
```

Border

The CSS property to change the border of an element to Yxy 57.3180, 0.4361, 0.4525 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(236, 195, 71) }
```

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

```
.border{ border-color:rgb(236, 195, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 195, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 195, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 195, 71);  
box-shadow:4px 4px 4px 4px rgb(236, 195,  
71) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 57.3180, 0.4361, 0.4525$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 195, 71) }
```

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

```
.background{ background-color: rgb(236,  
195, 71) }
```

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