

Converting Colors

$Y_{xy}(60.1006, 0.4599, 0.4518)$

Have a look what the booklet for
Yxy(60.1006, 0.4599, 0.4518)
contains.

Yxy(60.1006, 0.4599, 0.4518)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.1006, 0.4599, 0.4518)

Conversions

Conversions Part 1

Format	Color
Hex	FFC235
RGB	255, 194, 53
RGB Percent	100%, 76%, 21%
CMY	0.0000, 0.2392, 0.7921
CMYK	0.00, 0.24, 0.79, 0.00
HSL	42°, 100%, 60%
HSV	42°, 79%, 100%
XYZ	61.1781, 60.1006, 11.7461
YIQ	196.1650, 81.6170, -30.9190

Conversions

Conversions Part 2

Format	Color
R _Y B	140, 255, 53
Decimal	16761397
CIE Lab	81.89, 9.76, 73.57
CIE LCh	82, 74.216, 82.447
Yxy	60.1006, 0.4599, 0.4518
Android (android.graphics.Color)	4294951477 (0xFFFFC235)
YUV	196.1650, -70.5803, 51.5983
Hunter-Lab	77.5246, 5.1943, 45.2839

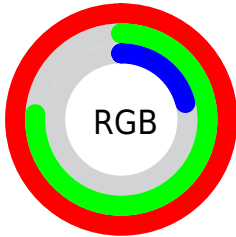
Details

The Yxy color **60.1006, 0.4599, 0.4518** 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 **20.0164, 0.1790, 0.1403**, and the grayscale version is **55.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7789, 0.3964, 0.4596**, and **30.3872, 0.4767, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **56.5860, 0.4743, 0.4544**, and if you desaturate by 10%, it is **63.9191, 0.4426, 0.4442**.

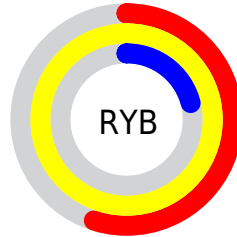
Distribution



Red (100%)

Green (76%)

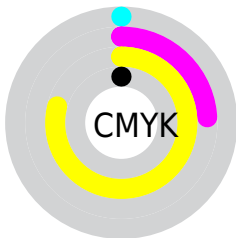
Blue (21%)



Red (55%)

Yellow (100%)

Blue (21%)

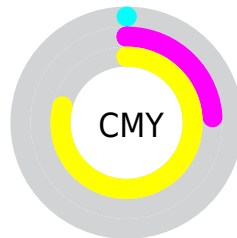


Cyan (0%)

Magenta (24%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (24%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1006, 0.4599, 0.4518 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 60.1006, 0.4599, 0.4518 by changing the saturation by 10% instead.

 60.1006, 0.4599,
0.4518


 60.1006, 0.4599,
0.4518


424.9685, 0.3960,
0.4019


 43.4997, 0.4718,
0.4600


 104.9756, 0.4396,
0.4369

 30.2774, 0.4848,
0.4681


 134.0185, 0.4311,
0.4303


 20.0492, 0.4983,
0.4752

 167.9775, 0.4235,
0.4243

 12.4308, 0.5161,
0.4839

 207.2371, 0.4168,
0.4190

 7.0378, 0.5219,
0.4781

 252.1816, 0.4107,
0.4141

 3.4858, 0.5308,
0.4692

303.1954, 0.4053,

 1.3903, 0.5457,

0.4096

0.4543

360.6629, 0.4004,
0.4056

0.2095, 0.6761,
0.3239

0.0000, 0.0000,
0.0000

60.1006, 0.4599,
0.4518

60.1006, 0.4599,
0.4518

56.5860, 0.4743,
0.4544

63.9191, 0.4426,
0.4442

53.3441, 0.4856,
0.4522

68.0590, 0.4233,
0.4323

53.0964, 0.4865,
0.4519

72.5385, 0.4030,
0.4172

77.3727, 0.3827,
0.4000

■ 82.5755, 0.3630,
0.3817

■ 88.1599, 0.3444,
0.3631

■ 94.1378, 0.3272,
0.3450

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



60.1006, 0.4979, 0.3859



60.1006, 0.4599, 0.4518



60.1006, 0.3859, 0.5002

Triad

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



60.1006, 0.4599, 0.4518



60.1006, 0.1695, 0.3037



60.1006, 0.3040, 0.2162

Complementary

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



60.1006, 0.4599, 0.4518



20.0164, 0.1790, 0.1403

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.



60.1006, 0.2228, 0.1929



60.1006, 0.4599, 0.4518



60.1006, 0.1556, 0.2300

Square

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



60.1006, 0.4599, 0.4518



60.1006, 0.2187, 0.4089



60.1006, 0.1734, 0.1957



60.1006, 0.4021, 0.2612

Rectangle

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



60.1006, 0.4599, 0.4518



60.1006, 0.3275, 0.5035



60.1006, 0.1734, 0.1957



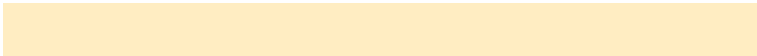
60.1006, 0.2738, 0.2057

Sweetspot

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



60.1013, 0.4599, 0.4518



85.4353, 0.3531, 0.3720



25.0919, 0.5076, 0.2786



17.8655, 0.3598, 0.3786



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.



60.1013, 0.4599, 0.4518



54.6786, 0.4812, 0.4536



86.6781, 0.3872, 0.5140



20.1102, 0.3277, 0.3455



28.0188, 0.4851, 0.4530



2.9203, 0.4758, 0.4604

Inverse Universe

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



20.0164, 0.1790, 0.1403



13.9450, 0.1636, 0.1059



11.9442, 0.1795, 0.0911



18.2721, 0.2979, 0.3119



6.7744, 0.1611, 0.0998



0.8417, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 60.1006, 0.4599, 0.4518 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 60.1006, 0.4599, 0.4518 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 60.1006, 0.4599, 0.4518

Background



This preview shows how black text looks on a background with the Yxy color 60.1006, 0.4599, 0.4518.



This preview shows how white text looks on a background with the Yxy color 60.1006, 0.4599, 0.4518.

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

60.1006, 0.4599, 0.4518

Protanopia

60.1293, 0.4293, 0.4726

Deuteranopia

60.2025, 0.4560, 0.4469



Tritanopia

59.9434, 0.3633, 0.3177

Trichromacy



Original Color

60.1006, 0.4599, 0.4518

Protanomaly

59.7615, 0.4404, 0.4650

Deuteranomaly

60.1593, 0.4576, 0.4490

Tritanomaly

59.2401, 0.4069, 0.3751

Monochromacy



Original Color

60.1006, 0.4599, 0.4518

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.7955, 0.3710, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1006, 0.4599, 0.4518 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(255, 194, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 53)  
}
```

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(255, 194, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 53) }
```

Border

The CSS property to change the border of an element to Yxy 60.1006, 0.4599, 0.4518 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(255, 194, 53) }
```

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

```
.border{ border-color:rgb(255, 194, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1006, 0.4599, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 53) }
```

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

```
.background{ background-color: rgb(255,  
194, 53) }
```

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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