

Converting Colors

$Yxy(62.5819, 0.4557, 0.4572)$

Have a look what the booklet for
Yxy(62.5819, 0.4557, 0.4572)
contains.

Yxy(62.8076, 0.4553, 0.4576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8076, 0.4553, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	FFC833
RGB	255, 200, 51
RGB Percent	100%, 78%, 20%
CMY	0.0000, 0.2157, 0.8002
CMYK	0.00, 0.22, 0.80, 0.00
HSL	44°, 100%, 60%
HSV	44°, 80%, 100%
XYZ	62.4919, 62.8076, 11.9549
YIQ	199.4590, 80.6090, -34.6790

Conversions

Conversions Part 2

Format	Color
R_{YB}	126, 255, 51
Decimal	16762931
CIE Lab	83.34, 6.58, 75.51
CIE LCh	83, 75.795, 85.019
Yxy	62.8076, 0.4553, 0.4576
Android (android.graphics.Color)	4294953011 (0xFFFFC833)
YUV	199.4590, -73.1903, 48.7095
Hunter-Lab	79.2512, 2.0628, 46.5321

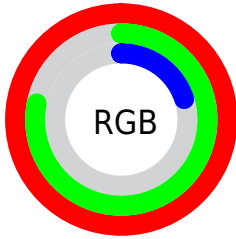
Details

The Yxy color **62.8076, 0.4553, 0.4576** is a light color, and the websafe version is hex **FFCC33**.

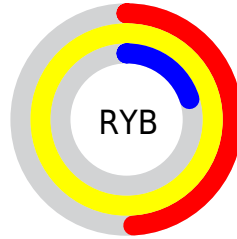
The color can be described as light washed yellow. A complement of this color would be **18.2189, 0.1759, 0.1305**, and the grayscale version is **57.8282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **31.8952, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **59.5313, 0.4681, 0.4604**, and if you desaturate by 10%, it is **66.3551, 0.4396, 0.4498**.

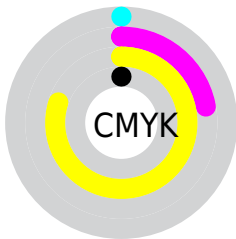
Distribution



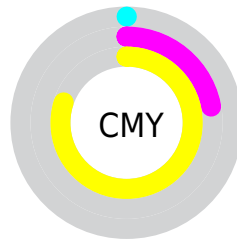
- Red (100%)
- Green (78%)
- Blue (20%)



- Red (49%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8076, 0.4553, 0.4576 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 62.8076, 0.4553, 0.4576 by changing the saturation by 10% instead.


 62.8076, 0.4553,
0.4576

 62.8076, 0.4553,
0.4576


434.8709, 0.3945,
0.4052

 45.6856, 0.4664,
0.4664

 108.8919, 0.4362,
0.4418


 31.9978, 0.4783,
0.4752


 138.6229, 0.4281,
0.4349


 21.3598, 0.4904,
0.4833


 173.3258, 0.4209,
0.4286

 13.3873, 0.5064,
0.4936

 213.3849, 0.4145,
0.4230

 7.6958, 0.5102,
0.4898

 259.1845, 0.4087,
0.4178

 3.9009, 0.5159,
0.4841

311.1091, 0.4035,

 1.6183, 0.5253,

0.4132

0.4747

369.5431, 0.3987,
0.4090

■ 0.3699, 0.5807,
0.4193

■ 0.0000, 0.0000,
0.0000

■ 62.8076, 0.4553,
0.4576

■ 62.8076, 0.4553,
0.4576

■ 59.5313, 0.4681,
0.4604

■ 66.3551, 0.4396,
0.4498

■ 56.4938, 0.4779,
0.4587

■ 70.1857, 0.4217,
0.4377

■ 74.3186, 0.4026,
0.4222

■ 78.7684, 0.3830,
0.4045

83.5484, 0.3638,
0.3855

88.6708, 0.3455,
0.3662

94.1472, 0.3284,
0.3472

99.9881, 0.3127,
0.3290

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.



62.8076, 0.4977, 0.3918



62.8076, 0.4553, 0.4576



62.8076, 0.3788, 0.5034

Triad

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



62.8076, 0.4553, 0.4576



62.8076, 0.1662, 0.2955



62.8076, 0.3121, 0.2187

Complementary

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



62.8076, 0.4553, 0.4576



18.2189, 0.1759, 0.1305

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.



62.8076, 0.2281, 0.1933



62.8076, 0.4553, 0.4576



62.8076, 0.1551, 0.2250

Square

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



62.8076, 0.4553, 0.4576



62.8076, 0.2125, 0.4001



62.8076, 0.1757, 0.1936



62.8076, 0.4108, 0.2655

Rectangle

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



62.8076, 0.4553, 0.4576



62.8076, 0.3198, 0.5026



62.8076, 0.1757, 0.1936



62.8076, 0.2811, 0.2076

Sweetspot

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



62.8101, 0.4553, 0.4576



86.5902, 0.3527, 0.3739



24.7223, 0.5211, 0.2852



18.1453, 0.3592, 0.3808



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.



62.8101, 0.4553, 0.4576



57.6879, 0.4742, 0.4597



85.5763, 0.3827, 0.5185



20.2139, 0.3276, 0.3463



29.7792, 0.4767, 0.4597



3.0803, 0.4687, 0.4661

Inverse Universe

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



18.2189, 0.1759, 0.1305



12.4790, 0.1608, 0.0966



12.0248, 0.1820, 0.0913



18.1741, 0.2979, 0.3111



6.1881, 0.1590, 0.0925



0.7739, 0.1650, 0.1138

Previews

White Background



This preview shows how the Yxy color 62.8076, 0.4553, 0.4576 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 62.8076, 0.4553, 0.4576 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 62.8076, 0.4553, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 62.8076, 0.4553, 0.4576.



This preview shows how white text looks on a background with the Yxy color 62.8076, 0.4553, 0.4576.

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

62.8076, 0.4553, 0.4576

Protanopia

62.6924, 0.4304, 0.4750

Deuteranopia

62.9150, 0.4363, 0.4310



Tritanopia

62.7859, 0.3569, 0.3177

Trichromacy



Original Color

62.8076, 0.4553, 0.4576

Protanomaly

62.6113, 0.4396, 0.4687

Deuteranomaly

62.6569, 0.4450, 0.4423

Tritanomaly

61.9502, 0.4016, 0.3781

Monochromacy



Original Color

62.8076, 0.4553, 0.4576

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.9513, 0.3704, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8076, 0.4553, 0.4576 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, 200, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 51)  
}
```

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, 200, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 51) }
```

Border

The CSS property to change the border of an element to Yxy 62.8076, 0.4553, 0.4576 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, 200, 51) }
```

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

```
.border{ border-color:rgb(255, 200, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 62.8076, 0.4553, 0.4576$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 51) }
```

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

```
.background{ background-color: rgb(255,  
200, 51) }
```

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