

# Converting Colors

$Yxy(60.3563, 0.4012, 0.4678)$

Have a look what the booklet for  
Yxy(60.3563, 0.4012, 0.4678)  
contains.

<b>Yxy(60.3563, 0.4012, 0.4678)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(60.3563, 0.4012, 0.4678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5D152
RGB	213, 209, 82
RGB Percent	84%, 82%, 32%
CMY	0.1647, 0.1804, 0.6785
CMYK	0.00, 0.02, 0.62, 0.16
HSL	58°, 61%, 58%
HSV	58°, 62%, 84%
XYZ	51.7635, 60.3563, 16.9018
YIQ	195.7180, 43.1510, -38.6490

# Conversions

## Conversions Part 2

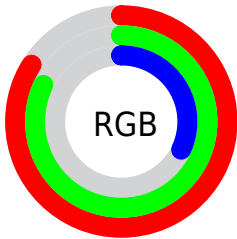
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 213, 82
Decimal	14012754
CIE Lab	82.03, -14.23, 61.53
CIE LCh	82, 63.157, 103.023
Yxy	60.3563, 0.4012, 0.4678
Android (android.graphics.Color)	4292202834 (0xFFD5D152)
YUV	195.7180, -56.0630, 15.1563
Hunter-Lab	77.6893, -17.0239, 41.4836

# Details

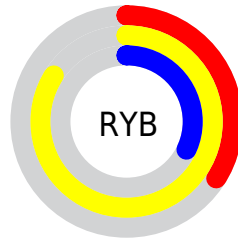
The Yxy color **60.3563, 0.4012, 0.4678** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.2504, 0.1948, 0.1372**, and the grayscale version is **55.3479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **30.4692, 0.4151, 0.4982** is the 20% darker color. If you saturate the color by 10%, you get **59.7658, 0.4109, 0.4823**, and if you desaturate by 10%, it is **61.0543, 0.3892, 0.4495**.

# Distribution



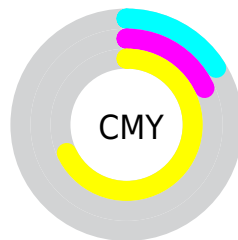
- Red (84%)
- Green (82%)
- Blue (32%)



- Red (34%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (62%)
- Black (16%)



- Cyan (16%)
- Magenta (18%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3563, 0.4012, 0.4678 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 60.3563, 0.4012, 0.4678 by changing the saturation by 10% instead.



60.3563, 0.4012,  
0.4678

60.3563, 0.4012,  
0.4678

425.9098, 0.3634,  
0.4032

43.7059, 0.4082,  
0.4816

105.3464, 0.3892,  
0.4459

30.4394, 0.4156,  
0.4978

134.4548, 0.3842,  
0.4372

20.1723, 0.4229,  
0.5166

168.4847, 0.3797,  
0.4296

12.5204, 0.4290,  
0.5381

207.8204, 0.3757,  
0.4230

7.0991, 0.4343,  
0.5657

252.8464, 0.3721,  
0.4171

3.5242, 0.4199,  
0.5801

303.9470, 0.3689,

1.4111, 0.3949,

0.4119

0.6051

361.5067, 0.3660,  
0.4073

0.2249, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.3563, 0.4012,  
0.4678

60.3563, 0.4012,  
0.4678

59.7658, 0.4109,  
0.4823

61.0543, 0.3892,  
0.4495

59.2647, 0.4181,  
0.4926

61.8599, 0.3755,  
0.4283

58.8443, 0.4226,  
0.4986

62.7834, 0.3606,  
0.4050

58.5336, 0.4248,  
0.5009

63.8316, 0.3453,  
0.3808

■ 65.0109, 0.3299,  
0.3564

■ 66.3272, 0.3149,  
0.3325

■ 67.7861, 0.3007,  
0.3097

■ 69.3928, 0.2873,  
0.2883

■ 69.8894, 0.2858,  
0.2864

# Harmonies

## Analogous

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



60.3563, 0.4560, 0.4221



60.3563, 0.4012, 0.4678



60.3563, 0.3268, 0.4747

# Triad

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



60.3563, 0.4012, 0.4678



60.3563, 0.1757, 0.2615



60.3563, 0.3634, 0.2561

# Complementary

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



60.3563, 0.4012, 0.4678



13.2504, 0.1948, 0.1372

# 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.



60.3563, 0.2815, 0.2213



60.3563, 0.4012, 0.4678



60.3563, 0.1825, 0.2196

# Square

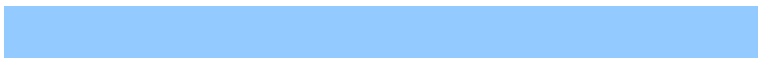
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.3563, 0.4012, 0.4678



60.3563, 0.1989, 0.3355



60.3563, 0.2181, 0.2078



60.3563, 0.4377, 0.3062



# Rectangle

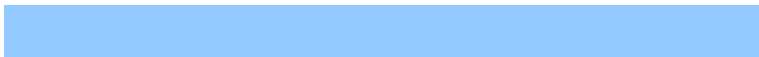
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3563, 0.4012, 0.4678



60.3563, 0.2760, 0.4459



60.3563, 0.2181, 0.2078



60.3563, 0.3353, 0.2424

# Sweetspot

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



60.3591, 0.4012, 0.4678



96.4993, 0.3401, 0.3727



20.8569, 0.5006, 0.3248



20.5473, 0.3447, 0.3799



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.



60.3591, 0.4012, 0.4678



89.5629, 0.4136, 0.4862



54.8589, 0.3487, 0.5003



14.4520, 0.3267, 0.3513



35.7842, 0.4247, 0.5010



2.1792, 0.4237, 0.5018



# Inverse Universe

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



13.2504, 0.1948, 0.1372



13.0299, 0.1720, 0.0990



16.6884, 0.2446, 0.1547



12.0687, 0.2981, 0.3056



3.0476, 0.1506, 0.0621



0.2057, 0.1524, 0.0686



# Previews

## White Background



This preview shows how the Yxy color 60.3563, 0.4012, 0.4678 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 60.3563, 0.4012, 0.4678 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 60.3563, 0.4012, 0.4678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3563, 0.4012, 0.4678.



This preview shows how white text looks on a background with the Yxy color 60.3563, 0.4012, 0.4678.

# 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

60.3563, 0.4012, 0.4678

### Protanopia

60.1107, 0.4168, 0.4576

### Deuteranopia

60.1543, 0.4424, 0.4326



## Tritanopia

60.1906, 0.3246, 0.3124

# Trichromacy



## Original Color

60.3563, 0.4012, 0.4678

## Protanomaly

60.2663, 0.4112, 0.4617

## Deuteranomaly

59.6799, 0.4275, 0.4451

## Tritanomaly

59.8258, 0.3568, 0.3719

# Monochromacy



## Original Color

60.3563, 0.4012, 0.4678

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

56.6964, 0.3478, 0.3854

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3563, 0.4012, 0.4678 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(213, 209, 82)` looks like.

```
.text, #text, p{  
    color:rgb(213, 209, 82)  
}
```

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(213, 209, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 209, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3563, 0.4012, 0.4678 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(213, 209, 82) }
```

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

```
.border{ border-color:rgb(213, 209, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 209, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 209, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 209, 82);  
box-shadow:4px 4px 4px 4px rgb(213, 209,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3563, 0.4012, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 209, 82) }
```

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

```
.background{ background-color: rgb(213,  
209, 82) }
```

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