

# Converting Colors

$Yxy(60.9805, 0.3999, 0.4599)$

Have a look what the booklet for  
Yxy(60.9805, 0.3999, 0.4599)  
contains.

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**Color**

**Yxy(60.9380, 0.3996, 0.4597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D15A
RGB	216, 209, 90
RGB Percent	85%, 82%, 35%
CMY	0.1529, 0.1804, 0.6469
CMYK	0.00, 0.03, 0.58, 0.15
HSL	57°, 62%, 60%
HSV	57°, 58%, 85%
XYZ	52.9711, 60.9380, 18.6512
YIQ	197.5270, 42.3710, -35.5250

# Conversions

## Conversions Part 2

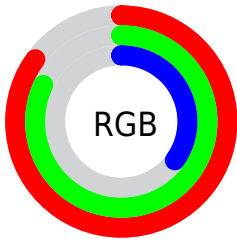
Format	Color
R <sub>Y</sub> B	97, 216, 90
Decimal	14209370
CIE Lab	82.35, -12.43, 58.49
CIE LCh	82, 59.794, 102.002
Yxy	60.9380, 0.3996, 0.4597
Android (android.graphics.Color)	4292399450 (0xFFD8D15A)
YUV	197.5270, -53.0108, 16.2008
Hunter-Lab	78.0628, -15.4850, 40.4780

# Details

The Yxy color **60.9380, 0.3996, 0.4597** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **15.6961, 0.2019, 0.1516**, and the grayscale version is **56.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **30.8273, 0.4143, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **60.0358, 0.4108, 0.4753**, and if you desaturate by 10%, it is **61.9572, 0.3864, 0.4406**.

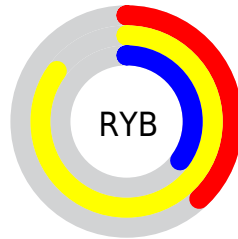
# Distribution



Red (85%)

Green (82%)

Blue (35%)



Red (38%)

Yellow (85%)

Blue (35%)

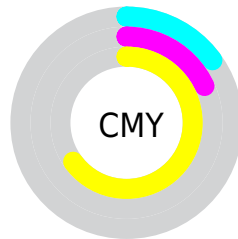


Cyan (0%)

Magenta (3%)

Yellow (58%)

Black (15%)



Cyan (15%)

Magenta (18%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9380, 0.3996, 0.4597 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 60.9380, 0.3996, 0.4597 by changing the saturation by 10% instead.





 60.9380, 0.3996,  
0.4597


 60.9380, 0.3996,  
0.4597


428.0466, 0.3619,  
0.3988


 44.1751, 0.4068,  
0.4728


 106.1892, 0.3875,  
0.4390


 30.8082, 0.4147,  
0.4883


 135.4462, 0.3825,  
0.4308

 20.4529, 0.4230,  
0.5065


 169.6369, 0.3780,  
0.4236

 12.7247, 0.4305,  
0.5274

 209.1454, 0.3740,  
0.4174

 7.2392, 0.4414,  
0.5586

254.3562, 0.3705,  
0.4119

 3.6122, 0.4291,  
0.5709

305.6538, 0.3673,

 1.4591, 0.4079,

0.4070

0.5921

363.4225, 0.3645,  
0.4027

0.2597, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.9380, 0.3996,  
0.4597

60.9380, 0.3996,  
0.4597

60.0358, 0.4108,  
0.4753

61.9572, 0.3864,  
0.4406

59.2325, 0.4195,  
0.4867

63.0934, 0.3717,  
0.4190


58.5198, 0.4255,  
0.4938

64.3569, 0.3563,  
0.3958


57.8811, 0.4290,  
0.4968


65.7548, 0.3406,  
0.3719

 57.7768, 0.4295,  
0.4972

 67.2933, 0.3251,  
0.3482

 68.9785, 0.3103,  
0.3252

 70.8161, 0.2963,  
0.3034

 72.2949, 0.2880,  
0.2907

 72.9244, 0.2880,  
0.2920

# Harmonies

## Analogous

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



60.9380, 0.4501, 0.4167



60.9380, 0.3996, 0.4597



60.9380, 0.3293, 0.4665

# Triad

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



60.9380, 0.3996, 0.4597



60.9380, 0.1824, 0.2675



60.9380, 0.3582, 0.2583

# Complementary

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



60.9380, 0.3996, 0.4597



15.6961, 0.2019, 0.1516

# 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.



60.9380, 0.2809, 0.2255



60.9380, 0.3996, 0.4597



60.9380, 0.1879, 0.2260

# Square

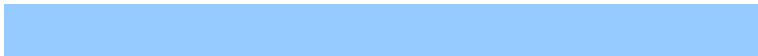
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.9380, 0.3996, 0.4597



60.9380, 0.2060, 0.3384



60.9380, 0.2212, 0.2134



60.9380, 0.4287, 0.3061



# Rectangle

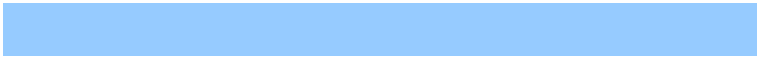
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.9380, 0.3996, 0.4597



60.9380, 0.2809, 0.4405



60.9380, 0.2212, 0.2134



60.9380, 0.3316, 0.2454

# Sweetspot

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



60.9408, 0.3996, 0.4597



95.9831, 0.3387, 0.3692



22.8115, 0.4799, 0.3200



20.4515, 0.3419, 0.3740



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.



60.9408, 0.3996, 0.4597



87.1214, 0.4130, 0.4783



57.4841, 0.3512, 0.4901



14.3957, 0.3268, 0.3508



34.2437, 0.4293, 0.4973



2.1024, 0.4274, 0.4988



# Inverse Universe

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



15.6961, 0.2019, 0.1516



15.5054, 0.1793, 0.1138



18.2644, 0.2449, 0.1617



12.1187, 0.2981, 0.3063



3.1414, 0.1511, 0.0638

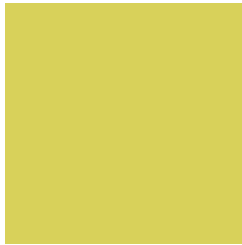


0.2295, 0.1543, 0.0756



# Previews

## White Background



This preview shows how the Yxy color 60.9380, 0.3996, 0.4597 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 60.9380, 0.3996, 0.4597 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 60.9380, 0.3996, 0.4597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9380, 0.3996, 0.4597.



This preview shows how white text looks on a background with the Yxy color 60.9380, 0.3996, 0.4597.

# 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

60.9380, 0.3996, 0.4597

### Protanopia

60.8779, 0.4128, 0.4517

### Deuteranopia

60.7210, 0.4375, 0.4282



## Tritanopia

60.7273, 0.3262, 0.3114

# Trichromacy



## Original Color

60.9380, 0.3996, 0.4597

## Protanomaly

60.7112, 0.4087, 0.4544

## Deuteranomaly

60.6241, 0.4239, 0.4388

## Tritanomaly

60.4477, 0.3562, 0.3669

# Monochromacy



## Original Color

60.9380, 0.3996, 0.4597

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.7234, 0.3470, 0.3811

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9380, 0.3996, 0.4597 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(216, 209, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 209, 90)  
}
```

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(216, 209, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 209, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9380, 0.3996, 0.4597 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(216, 209, 90) }
```

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

```
.border{ border-color:rgb(216, 209, 90) }
```

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

Here you see how a box with a 4 pixel rgb(216, 209, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 209, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 209, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 209,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9380, 0.3996, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 209, 90) }
```

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

```
.background{ background-color: rgb(216,  
209, 90) }
```

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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