

# Converting Colors

Yxy(62.8617, 0.3989, 0.4661)

Have a look what the booklet for  
Yxy(62.8617, 0.3989, 0.4661)  
contains.

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# Color

**Yxy(62.8593, 0.3992, 0.4665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D556
RGB	216, 213, 86
RGB Percent	85%, 84%, 34%
CMY	0.1530, 0.1647, 0.6628
CMYK	0.00, 0.01, 0.60, 0.15
HSL	59°, 62%, 59%
HSV	59°, 60%, 85%
XYZ	53.7909, 62.8593, 18.0965
YIQ	199.4190, 42.5550, -38.8610

# Conversions

## Conversions Part 2

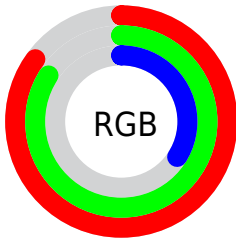
Format	Color
R <sub>Y</sub> B	89, 216, 86
Decimal	14210390
CIE Lab	83.37, -14.73, 61.36
CIE LCh	83, 63.106, 103.499
Yxy	62.8593, 0.3992, 0.4665
Android (android.graphics.Color)	4292400470 (0xFFD8D556)
YUV	199.4190, -55.9156, 14.5415
Hunter-Lab	79.2839, -17.6418, 41.9658

# Details

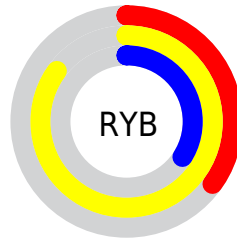
The Yxy color **62.8593, 0.3992, 0.4665** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.0736, 0.1970, 0.1400**, and the grayscale version is **57.7131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **32.1492, 0.4125, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **62.3160, 0.4090, 0.4816**, and if you desaturate by 10%, it is **63.5144, 0.3871, 0.4477**.

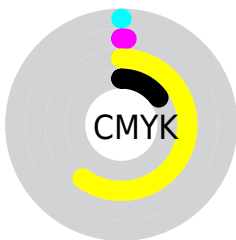
# Distribution



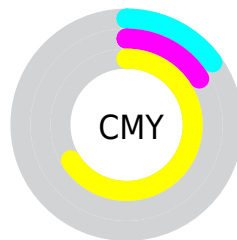
- Red (85%)
- Green (84%)
- Blue (34%)



- Red (35%)
- Yellow (85%)
- Blue (34%)



- Cyan (0%)
- Magenta (1%)
- Yellow (60%)
- Black (15%)




- Cyan (15%)
- Magenta (16%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8593, 0.3992, 0.4665 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 62.8593, 0.3992, 0.4665 by changing the saturation by 10% instead.




 62.8593, 0.3992,  
0.4665


 62.8593, 0.3992,  
0.4665


435.0587, 0.3624,  
0.4027

 45.7274, 0.4060,  
0.4801

 108.9665, 0.3876,  
0.4449

 32.0308, 0.4132,  
0.4961


 138.7106, 0.3827,  
0.4363

 21.3850, 0.4205,  
0.5148


 173.4275, 0.3784,  
0.4289

 13.4057, 0.4265,  
0.5360

 213.5017, 0.3745,  
0.4223

 7.7085, 0.4339,  
0.5661

259.3175, 0.3710,  
0.4165

 3.9090, 0.4199,  
0.5801

311.2593, 0.3678,

 1.6228, 0.3960,

0.4114

0.6040

369.7116, 0.3650,  
0.4068

0.3729, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8593, 0.3992,  
0.4665

62.8593, 0.3992,  
0.4665

62.3160, 0.4090,  
0.4816

63.5144, 0.3871,  
0.4477

61.8659, 0.4163,  
0.4925

64.2810, 0.3734,  
0.4260

61.5002, 0.4210,  
0.4991

65.1699, 0.3585,  
0.4025

61.2033, 0.4234,  
0.5020

66.1881, 0.3432,  
0.3780

■ 67.3420, 0.3279,  
0.3534

■ 68.6378, 0.3130,  
0.3295

■ 70.0810, 0.2988,  
0.3066

■ 71.4318, 0.2879,  
0.2889

■ 71.6879, 0.2879,  
0.2894

# Harmonies

## Analogous

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



62.8593, 0.4536, 0.4220



62.8593, 0.3992, 0.4665



62.8593, 0.3256, 0.4721

# Triad

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



62.8593, 0.3992, 0.4665



62.8593, 0.1772, 0.2616



62.8593, 0.3641, 0.2577

# Complementary

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



62.8593, 0.3992, 0.4665



14.0736, 0.1970, 0.1400

# 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.



62.8593, 0.2831, 0.2229



62.8593, 0.3992, 0.4665



62.8593, 0.1844, 0.2206

# Square

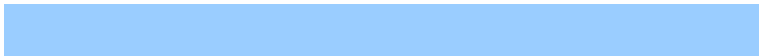
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.8593, 0.3992, 0.4665



62.8593, 0.1997, 0.3342



62.8593, 0.2201, 0.2092



62.8593, 0.4368, 0.3075



# Rectangle

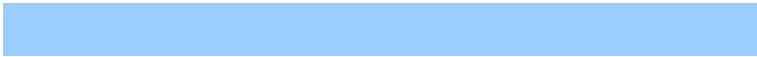
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8593, 0.3992, 0.4665



62.8593, 0.2755, 0.4430



62.8593, 0.2201, 0.2092



62.8593, 0.3364, 0.2441

# Sweetspot

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



62.8622, 0.3992, 0.4665



96.7177, 0.3401, 0.3730



21.9935, 0.4947, 0.3248



20.6015, 0.3446, 0.3802



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.



62.8622, 0.3992, 0.4665



90.5792, 0.4111, 0.4847



56.7805, 0.3485, 0.4970



14.4687, 0.3267, 0.3515



36.2515, 0.4233, 0.5021



2.2024, 0.4226, 0.5027



# Inverse Universe

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



14.0736, 0.1970, 0.1400



13.6910, 0.1748, 0.1030



17.7804, 0.2463, 0.1582



12.0539, 0.2981, 0.3054



3.0197, 0.1505, 0.0616



0.1986, 0.1518, 0.0665



# Previews

## White Background



This preview shows how the Yxy color 62.8593, 0.3992, 0.4665 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 62.8593, 0.3992, 0.4665 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 62.8593, 0.3992, 0.4665**

## Background



This preview shows how black text looks on a background with the Yxy color 62.8593, 0.3992, 0.4665.



This preview shows how white text looks on a background with the Yxy color 62.8593, 0.3992, 0.4665.

# 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

62.8593, 0.3992, 0.4665

### Protanopia

62.7408, 0.4158, 0.4568

### Deuteranopia

62.5878, 0.4327, 0.4246



## Tritanopia

62.7088, 0.3236, 0.3126

# Trichromacy



## Original Color

62.8593, 0.3992, 0.4665

## Protanomaly

62.9178, 0.4099, 0.4601

## Deuteranomaly

62.2572, 0.4209, 0.4386

## Tritanomaly

62.3371, 0.3552, 0.3712

# Monochromacy



## Original Color

62.8593, 0.3992, 0.4665

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.6335, 0.3473, 0.3846

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8593, 0.3992, 0.4665 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, 213, 86)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 86)  
}
```

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, 213, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8593, 0.3992, 0.4665 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, 213, 86) }
```

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

```
.border{ border-color:rgb(216, 213, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 213, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 86);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8593, 0.3992, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 86) }
```

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

```
.background{ background-color: rgb(216,  
213, 86) }
```

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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