

# Converting Colors

$Yxy(62.4195, 0.4017, 0.4627)$

Have a look what the booklet for  
Yxy(62.4195, 0.4017, 0.4627)  
contains.

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# Color

**Yxy(62.3367, 0.4024, 0.4626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD357
RGB	219, 211, 87
RGB Percent	86%, 83%, 34%
CMY	0.1412, 0.1725, 0.6588
CMYK	0.00, 0.04, 0.60, 0.14
HSL	56°, 65%, 60%
HSV	56°, 60%, 86%
XYZ	54.2246, 62.3367, 18.1916
YIQ	199.2560, 44.5720, -36.8680

# Conversions

## Conversions Part 2

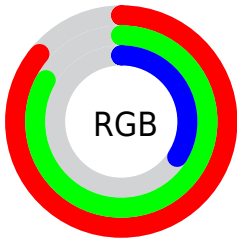
Format	Color
<a href="#">RYB</a>	<a href="#">96, 219, 87</a>
Decimal	<a href="#">14406487</a>
CIELab	<a href="#">83.09, -12.43, 60.69</a>
CIELCh	<a href="#">83, 61.955, 101.576</a>
Yxy	<a href="#">62.3367, 0.4024, 0.4626</a>
Android (android.graphics.Color)	<a href="#">4292596567</a> ( <a href="#">0xFFDDBD357</a> )
YUV	<a href="#">199.2560, -55.3422, 17.3155</a>
Hunter-Lab	<a href="#">78.9536, -15.5767, 41.6065</a>

# Details

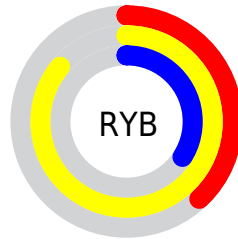
The Yxy color **62.3367, 0.4024, 0.4626** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **15.3209, 0.1982, 0.1459**, and the grayscale version is **57.6041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **31.7847, 0.4170, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **61.3796, 0.4132, 0.4774**, and if you desaturate by 10%, it is **63.4136, 0.3894, 0.4442**.

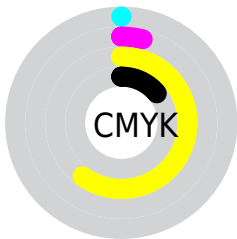
# Distribution



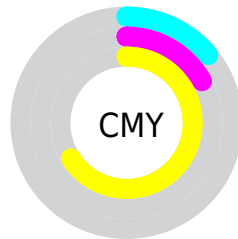
- Red (86%)
- Green (83%)
- Blue (34%)



- Red (38%)
- Yellow (86%)
- Blue (34%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (14%)




- Cyan (14%)
- Magenta (17%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3367, 0.4024, 0.4626 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 62.3367, 0.4024, 0.4626 by changing the saturation by 10% instead.





 62.3367, 0.4024,  
0.4626


 62.3367, 0.4024,  
0.4626


433.1582, 0.3638,  
0.4009


 45.3048, 0.4096,  
0.4757


 108.2120, 0.3901,  
0.4418


 31.6976, 0.4175,  
0.4911


 137.8242, 0.3850,  
0.4334

 21.1306, 0.4257,  
0.5090


 172.3987, 0.3804,  
0.4262

 13.2195, 0.4328,  
0.5291

 212.3197, 0.3764,  
0.4199

 7.5799, 0.4421,  
0.5579

257.9718, 0.3727,  
0.4143

 3.8273, 0.4303,  
0.5697

309.7394, 0.3695,

 1.5774, 0.4100,

0.4093

0.5900

368.0067, 0.3665,  
0.4049

0.3423, 0.0601,  
0.9399

0.0000, 0.0000,  
0.0000

62.3367, 0.4024,  
0.4626

62.3367, 0.4024,  
0.4626

61.3796, 0.4132,  
0.4774

63.4136, 0.3894,  
0.4442

60.5233, 0.4216,  
0.4879

64.6104, 0.3749,  
0.4231

59.7587, 0.4271,  
0.4940

65.9381, 0.3594,  
0.4002

59.0819, 0.4304,  
0.4965

67.4039, 0.3437,  
0.3764

■ 69.0146, 0.3281,  
0.3527

■ 70.7764, 0.3131,  
0.3296

■ 72.6954, 0.2989,  
0.3076

■ 74.3049, 0.2900,  
0.2941

■ 75.0087, 0.2900,  
0.2955

# Harmonies

## Analogous

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



62.3367, 0.4541, 0.4176



62.3367, 0.4024, 0.4626



62.3367, 0.3305, 0.4710

# Triad

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



62.3367, 0.4024, 0.4626



62.3367, 0.1795, 0.2665



62.3367, 0.3582, 0.2559

# Complementary

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



62.3367, 0.4024, 0.4626



15.3209, 0.1982, 0.1459

# 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.



62.3367, 0.2789, 0.2228



62.3367, 0.4024, 0.4626



62.3367, 0.1847, 0.2238

# Square

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



62.3367, 0.4024, 0.4626



62.3367, 0.2038, 0.3396



62.3367, 0.2183, 0.2107



62.3367, 0.4312, 0.3045



# Rectangle

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



62.3367, 0.4024, 0.4626



62.3367, 0.2808, 0.4449



62.3367, 0.2183, 0.2107



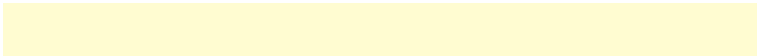
62.3367, 0.3309, 0.2428

# Sweetspot

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



62.3396, 0.4024, 0.4626



95.6319, 0.3404, 0.3714



22.7159, 0.4889, 0.3199



20.3320, 0.3450, 0.3784



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.



62.3396, 0.4024, 0.4626



86.3661, 0.4154, 0.4802



59.0026, 0.3518, 0.4954



15.1221, 0.3268, 0.3507



35.0974, 0.4302, 0.4966



2.3155, 0.4283, 0.4981



# Inverse Universe

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



15.3209, 0.1982, 0.1459



14.6838, 0.1763, 0.1091



17.8781, 0.2420, 0.1560



12.7428, 0.2981, 0.3063



3.2601, 0.1511, 0.0640



0.2567, 0.1545, 0.0761



# Previews

## White Background



This preview shows how the Yxy color 62.3367, 0.4024, 0.4626 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 62.3367, 0.4024, 0.4626 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 62.3367, 0.4024, 0.4626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3367, 0.4024, 0.4626.



This preview shows how white text looks on a background with the Yxy color 62.3367, 0.4024, 0.4626.

# 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

62.3367, 0.4024, 0.4626

### Protanopia

62.1205, 0.4147, 0.4549

### Deuteranopia

62.0556, 0.4359, 0.4269



## Tritanopia

62.1812, 0.3277, 0.3127

# Trichromacy



## Original Color

62.3367, 0.4024, 0.4626

## Protanomaly

61.9524, 0.4107, 0.4576

## Deuteranomaly

61.9086, 0.4242, 0.4398

## Tritanomaly

61.8328, 0.3590, 0.3699

# Monochromacy



## Original Color

62.3367, 0.4024, 0.4626

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.3023, 0.3483, 0.3833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3367, 0.4024, 0.4626 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(219, 211, 87)` looks like.

```
.text, #text, p{  
    color:rgb(219, 211, 87)  
}
```

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(219, 211, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 211, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3367, 0.4024, 0.4626 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(219, 211, 87) }
```

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

```
.border{ border-color:rgb(219, 211, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 211, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 211, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 211, 87);  
box-shadow:4px 4px 4px 4px rgb(219, 211,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3367, 0.4024, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 211, 87) }
```

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

```
.background{ background-color: rgb(219,  
211, 87) }
```

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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