

# Converting Colors

Yxy(65.6254, 0.3896, 0.5229)

Have a look what the booklet for  
Yxy(65.6254, 0.3896, 0.5229)  
contains.

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# Color

**Yxy(65.5393, 0.3896, 0.5227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BFE219</a>
RGB	191, 226, 25
RGB Percent	75%, 89%, 10%
CMY	0.2511, 0.1137, 0.9018
CMYK	0.16, 0.00, 0.89, 0.11
HSL	70°, 80%, 49%
HSV	70°, 89%, 89%
XYZ	48.8504, 65.5393, 10.9964
YIQ	192.6210, 43.6610, -69.9310

# Conversions

## Conversions Part 2

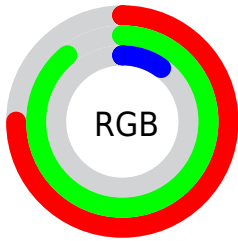
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 226, 60
Decimal	12575257
CIE <sub>Lab</sub>	84.76, -33.80, 80.59
CIE <sub>LCh</sub>	85, 87.391, 112.757
Yxy	65.5393, 0.3896, 0.5227
Android (android.graphics.Color)	4290765337 (0xFFBFE219)
YUV	192.6210, -82.6372, -1.4216
Hunter-Lab	80.9563, -33.9637, 48.6160

# Details

The Yxy color **65.5393, 0.3896, 0.5227** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.1519, 0.1668, 0.0748**, and the grayscale version is **53.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8738, 0.3974, 0.4752**, and **34.1124, 0.3807, 0.5359** is the 20% darker color. If you saturate the color by 10%, you get **64.9731, 0.3886, 0.5292**, and if you desaturate by 10%, it is **66.2002, 0.3883, 0.5120**.

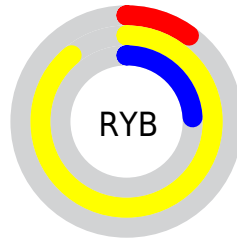
# Distribution



Red (75%)

Green (89%)

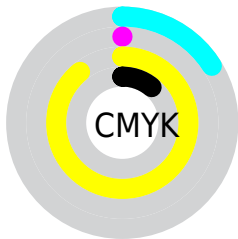
Blue (10%)



Red (10%)

Yellow (89%)

Blue (24%)

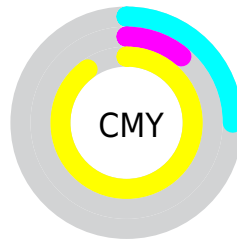


Cyan (16%)

Magenta (0%)

Yellow (89%)

Black (11%)



Cyan (25%)

Magenta (11%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5393, 0.3896, 0.5227 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 65.5393, 0.3896, 0.5227 by changing the saturation by 10% instead.



 65.5393, 0.3896,  
0.5227

 65.5393, 0.3896,  
0.5227


444.7275, 0.3633,  
0.4335

 47.8985, 0.3920,  
0.5408


 112.8249, 0.3832,  
0.4931

 33.7465, 0.3928,  
0.5615


 143.2384, 0.3799,  
0.4811

 22.6989, 0.3906,  
0.5845


 178.6783, 0.3766,  
0.4706

 14.3714, 0.3857,  
0.6143

 219.5290, 0.3736,  
0.4614

 8.3794, 0.3649,  
0.6351

 266.1749, 0.3707,  
0.4532

 4.3387, 0.3336,  
0.6664

 319.0003, 0.3681,

 1.8648, 0.2808,

0.4459

0.7192

378.3897, 0.3656,  
0.4394

■ 0.5271, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.5393, 0.3896,  
0.5227

■ 65.5393, 0.3896,  
0.5227

■ 64.9731, 0.3886,  
0.5292

■ 66.2002, 0.3883,  
0.5120

■ 64.9144, 0.3884,  
0.5298

■ 66.9668, 0.3844,  
0.4967

■ 67.8548, 0.3780,  
0.4773

■ 68.8750, 0.3694,  
0.4545

70.0372, 0.3591,  
0.4294

71.3499, 0.3476,  
0.4032

72.8210, 0.3356,  
0.3768

74.4577, 0.3234,  
0.3510

76.2669, 0.3114,  
0.3264

# Harmonies

## Analogous

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



65.5393, 0.4740, 0.4626



65.5393, 0.3896, 0.5227



65.5393, 0.2918, 0.5183

# Triad

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



65.5393, 0.3896, 0.5227



65.5393, 0.1389, 0.2158



65.5393, 0.4154, 0.2531

# Complementary

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



65.5393, 0.3896, 0.5227



7.1519, 0.1668, 0.0748

# 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.



65.5393, 0.3029, 0.2040



65.5393, 0.3896, 0.5227



65.5393, 0.1586, 0.1803

# Square

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



65.5393, 0.3896, 0.5227



65.5393, 0.1524, 0.2968



65.5393, 0.2123, 0.1784



65.5393, 0.5024, 0.3172



# Rectangle

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



65.5393, 0.3896, 0.5227



65.5393, 0.2307, 0.4604



65.5393, 0.2123, 0.1784



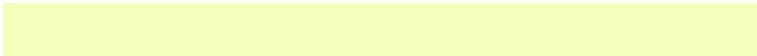
65.5393, 0.3778, 0.2346

# Sweetspot

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



65.5423, 0.3896, 0.5227



94.1247, 0.3456, 0.3986



19.3213, 0.5981, 0.3493



20.0120, 0.3496, 0.4077



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.



65.5423, 0.3896, 0.5227



85.2985, 0.3882, 0.5299



56.7479, 0.3220, 0.5747



15.9023, 0.3240, 0.3523



37.0745, 0.3889, 0.5294



2.6020, 0.3939, 0.5255



# Inverse Universe

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



7.1519, 0.1668, 0.0748



7.7661, 0.1567, 0.0637



13.5616, 0.2467, 0.1179



13.3576, 0.3008, 0.3049



3.4191, 0.1580, 0.0644



0.2717, 0.1714, 0.0718



# Previews

## White Background



This preview shows how the Yxy color 65.5393, 0.3896, 0.5227 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 65.5393, 0.3896, 0.5227 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 65.5393, 0.3896, 0.5227**

## Background



This preview shows how black text looks on a background with the Yxy color 65.5393, 0.3896, 0.5227.



This preview shows how white text looks on a background with the Yxy color 65.5393, 0.3896, 0.5227.

# 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

65.5393, 0.3896, 0.5227

### Protanopia

65.3111, 0.4386, 0.4861

### Deuteranopia

65.1417, 0.4224, 0.4200



## Tritanopia

65.1945, 0.3005, 0.3100

# Trichromacy



## Original Color

65.5393, 0.3896, 0.5227

## Protanomaly

65.0520, 0.4206, 0.4996

## Deuteranomaly

64.3235, 0.4165, 0.4618

## Tritanomaly

64.0014, 0.3448, 0.4031

# Monochromacy



## Original Color

65.5393, 0.3896, 0.5227

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

56.5351, 0.3549, 0.4203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5393, 0.3896, 0.5227 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(191, 226, 25)` looks like.

```
.text, #text, p{  
    color:rgb(191, 226, 25)  
}
```

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(191, 226, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 226, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5393, 0.3896, 0.5227 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(191, 226, 25) }
```

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

```
.border{ border-color:rgb(191, 226, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 226, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 226, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 226, 25);  
box-shadow:4px 4px 4px 4px rgb(191, 226,  
25) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5393, 0.3896, 0.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 226, 25) }
```

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

```
.background{ background-color: rgb(191,  
226, 25) }
```

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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