

# Converting Colors

Yxy(61.9065, 0.3612, 0.4525)

Have a look what the booklet for  
Yxy(61.9065, 0.3612, 0.4525)  
contains.

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# Color

**Yxy(61.9399, 0.3608, 0.4524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFD973
RGB	191, 217, 115
RGB Percent	75%, 85%, 45%
CMY	0.2509, 0.1490, 0.5490
CMYK	0.12, 0.00, 0.47, 0.15
HSL	75°, 57%, 65%
HSV	75°, 47%, 85%
XYZ	49.3986, 61.9399, 25.5755
YIQ	197.5980, 17.2460, -37.2340

# Conversions

## Conversions Part 2

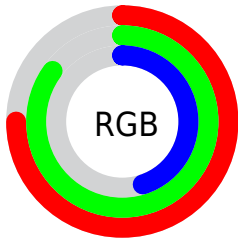
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 217, 141
Decimal	12573043
CIELab	82.88, -24.21, 47.08
CIELCh	83, 52.944, 117.212
Yxy	61.9399, 0.3608, 0.4524
Android (android.graphics.Color)	4290763123 (0xFFBFD973)
YUV	197.5980, -40.7208, -5.7864
Hunter-Lab	78.7019, -25.6898, 35.8240

# Details

The Yxy color **61.9399, 0.3608, 0.4524** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.9364, 0.2448, 0.1894**, and the grayscale version is **56.4637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5243, 0.3596, 0.4146**, and **31.4338, 0.3693, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **60.7972, 0.3683, 0.4771**, and if you desaturate by 10%, it is **63.2327, 0.3517, 0.4259**.

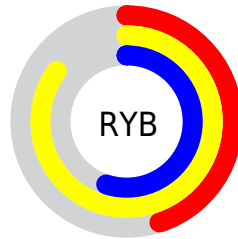
# Distribution



Red (75%)

Green (85%)

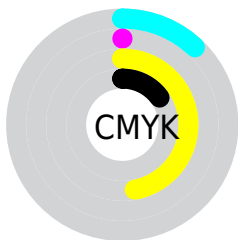
Blue (45%)



Red (45%)

Yellow (85%)

Blue (55%)

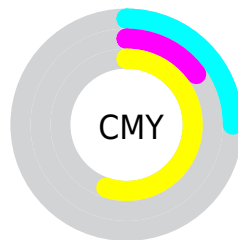


Cyan (12%)

Magenta (0%)

Yellow (47%)

Black (15%)



Cyan (25%)

Magenta (15%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9399, 0.3608, 0.4524 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 61.9399, 0.3608, 0.4524 by changing the saturation by 10% instead.




 61.9399, 0.3608,  
0.4524


 61.9399, 0.3608,  
0.4524


431.7118, 0.3405,  
0.3922


 44.9841, 0.3646,  
0.4665


 107.6387, 0.3544,  
0.4311

 31.4449, 0.3686,  
0.4841


 137.1505, 0.3517,  
0.4229

 20.9379, 0.3727,  
0.5061


 171.6164, 0.3493,  
0.4159

 13.0786, 0.3760,  
0.5343

211.4208, 0.3471,  
0.4099

 7.4827, 0.3768,  
0.5718

256.9482, 0.3452,  
0.4046

 3.7658, 0.3731,  
0.6269

308.5829, 0.3435,

 1.5434, 0.3312,

0.4000

0.6688

366.7093, 0.3419,  
0.3959

0.3190, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.9399, 0.3608,  
0.4524

61.9399, 0.3608,  
0.4524

60.7972, 0.3683,  
0.4771

63.2327, 0.3517,  
0.4259

59.7877, 0.3738,  
0.4990


64.6753, 0.3416,  
0.3988

58.9044, 0.3768,  
0.5169


66.2775, 0.3309,  
0.3720


58.1358, 0.3773,  
0.5302


68.0462, 0.3202,  
0.3462

 57.4672, 0.3753,  
0.5387


 69.9874, 0.3096,  
0.3219

 57.2783, 0.3745,  
0.5409

 72.1073, 0.2994,  
0.2993

 73.6201, 0.2970,  
0.2900

 74.5475, 0.3008,  
0.2904

 75.5041, 0.3046,  
0.2909

# Harmonies

## Analogous

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



61.9399, 0.4162, 0.4301



61.9399, 0.3608, 0.4524



61.9399, 0.2956, 0.4330

# Triad

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



61.9399, 0.3608, 0.4524



61.9399, 0.1950, 0.2528



61.9399, 0.3869, 0.2866

# Complementary

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



61.9399, 0.3608, 0.4524



22.9364, 0.2448, 0.1894

# 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.



61.9399, 0.3188, 0.2490



61.9399, 0.3608, 0.4524



61.9399, 0.2130, 0.2282

# Square

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



61.9399, 0.3608, 0.4524



61.9399, 0.2033, 0.3039



61.9399, 0.2558, 0.2281



61.9399, 0.4354, 0.3345



# Rectangle

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



61.9399, 0.3608, 0.4524



61.9399, 0.2556, 0.3961



61.9399, 0.2558, 0.2281



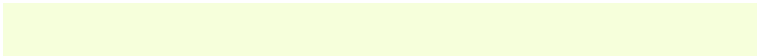
61.9399, 0.3651, 0.2726

# Sweetspot

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



61.9427, 0.3608, 0.4524



96.2265, 0.3278, 0.3645



34.8956, 0.4250, 0.3603



20.4813, 0.3302, 0.3702



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.



61.9427, 0.3608, 0.4524



87.6973, 0.3680, 0.4760



56.4830, 0.3224, 0.4692



15.0883, 0.3228, 0.3524



34.7266, 0.3751, 0.5403



2.2899, 0.3827, 0.5344



# Inverse Universe

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



22.9364, 0.2448, 0.1894



25.2016, 0.2276, 0.1586



28.4164, 0.2925, 0.2064



12.7766, 0.3020, 0.3051



3.5717, 0.1654, 0.0685



0.2724, 0.1822, 0.0777



# Previews

## White Background



This preview shows how the Yxy color 61.9399, 0.3608, 0.4524 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 61.9399, 0.3608, 0.4524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

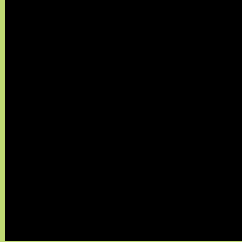
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.9399, 0.3608, 0.4524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9399, 0.3608, 0.4524.



This preview shows how white text looks on a background with the Yxy color 61.9399, 0.3608, 0.4524.

# 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

61.9399, 0.3608, 0.4524

### Protanopia

61.6212, 0.3982, 0.4334

### Deuteranopia

61.7978, 0.4173, 0.4084



## Tritanopia

61.7205, 0.3009, 0.3107

# Trichromacy



**Original Color**

61.9399, 0.3608, 0.4524

**Protanomaly**

61.5592, 0.3846, 0.4408

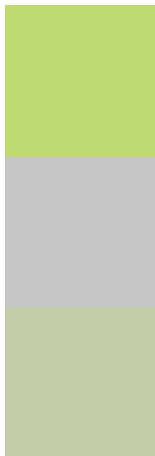
**Deuteranomaly**

61.1518, 0.3963, 0.4239

**Tritanomaly**

61.1204, 0.3241, 0.3615

# Monochromacy



**Original Color**

61.9399, 0.3608, 0.4524

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

58.0919, 0.3315, 0.3747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9399, 0.3608, 0.4524 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, 217, 115)` looks like.

```
.text, #text, p{  
    color:rgb(191, 217, 115)  
}
```

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, 217, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 217, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9399, 0.3608, 0.4524 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, 217, 115) }
```

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

```
.border{ border-color:rgb(191, 217, 115) }
```

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

Here you see how a box with a 4 pixel rgb(191, 217, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 217, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 217, 115);  
box-shadow:4px 4px 4px 4px rgb(191, 217,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9399, 0.3608, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 217, 115) }
```

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

```
.background{ background-color: rgb(191,  
217, 115) }
```

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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