

# Converting Colors

$Yxy(68.6442, 0.4131, 0.4953)$

Have a look what the booklet for  
Yxy(68.6442, 0.4131, 0.4953)  
contains.

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# Color

**Yxy(68.6528, 0.4132, 0.4951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFDF2D
RGB	223, 223, 45
RGB Percent	87%, 87%, 18%
CMY	0.1254, 0.1255, 0.8234
CMYK	0.00, 0.00, 0.80, 0.13
HSL	60°, 74%, 53%
HSV	60°, 80%, 87%
XYZ	57.2962, 68.6528, 12.7155
YIQ	202.7080, 57.1380, -55.3580

# Conversions

## Conversions Part 2

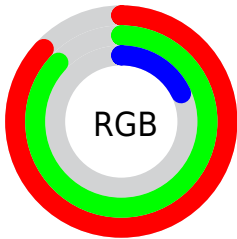
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 223, 45
Decimal	14671661
CIE <sub>Lab</sub>	86.33, -18.71, 78.68
CIE <sub>LCh</sub>	86, 80.870, 103.377
Yxy	68.6528, 0.4132, 0.4951
Android (android.graphics.Color)	4292861741 (0xFFDFDF2D)
YUV	202.7080, -77.7500, 17.7961
Hunter-Lab	82.8570, -21.5657, 48.9010

# Details

The Yxy color **68.6528, 0.4132, 0.4951** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **7.7662, 0.1639, 0.0830**, and the grayscale version is **60.0029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **35.8978, 0.4152, 0.5085** is the 20% darker color. If you saturate the color by 10%, you get **68.5264, 0.4173, 0.5019**, and if you desaturate by 10%, it is **68.8763, 0.4064, 0.4839**.

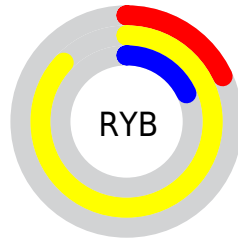
# Distribution



Red (87%)

Green (87%)

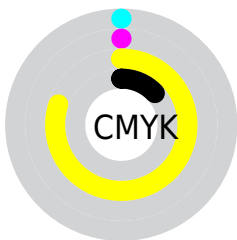
Blue (18%)



Red (18%)

Yellow (87%)

Blue (18%)

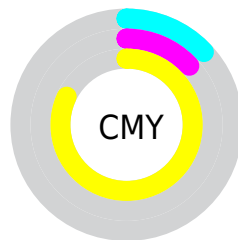


Cyan (0%)

Magenta (0%)

Yellow (80%)

Black (13%)



Cyan (13%)

Magenta (13%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6528, 0.4132, 0.4951 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 68.6528, 0.4132, 0.4951 by changing the saturation by 10% instead.



 68.6528, 0.4132,  
0.4951


 68.6528, 0.4132,  
0.4951


455.8055, 0.3744,  
0.4218


 50.4290, 0.4190,  
0.5093


 117.2855, 0.4021,  
0.4714

 35.7544, 0.4242,  
0.5251


 148.4633, 0.3970,  
0.4616


 24.2446, 0.4281,  
0.5422


 184.7277, 0.3923,  
0.4530

 15.5151, 0.4322,  
0.5647

 226.4634, 0.3881,  
0.4453

 9.1817, 0.4230,  
0.5770

 274.0546, 0.3842,  
0.4384

 4.8599, 0.4072,  
0.5928

327.8857, 0.3806,

 2.1653, 0.3815,

0.4323

0.6185

388.3412, 0.3774,  
0.4268

0.7010, 0.2301,  
0.7699

0.0000, 0.0000,  
0.0000

68.6528, 0.4132,  
0.4951

68.6528, 0.4132,  
0.4951

68.5264, 0.4173,  
0.5019

68.8763, 0.4064,  
0.4839


68.4658, 0.4193,  
0.5052


69.1997, 0.3971,  
0.4685


68.4648, 0.4193,  
0.5052

69.6369, 0.3855,  
0.4493


70.1970, 0.3721,  
0.4272

 70.8885, 0.3576,  
0.4032

 71.7188, 0.3425,  
0.3782

 72.6950, 0.3273,  
0.3531

 73.8236, 0.3124,  
0.3285

 75.1108, 0.2983,  
0.3052

# Harmonies

## Analogous

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



68.6528, 0.4817, 0.4348



68.6528, 0.4132, 0.4951



68.6528, 0.3242, 0.5108

# Triad

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



68.6528, 0.4132, 0.4951



68.6528, 0.1512, 0.2443



68.6528, 0.3749, 0.2427

# Complementary

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



68.6528, 0.4132, 0.4951



7.7662, 0.1639, 0.0830

# 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.



68.6528, 0.2748, 0.2026



68.6528, 0.4132, 0.4951



68.6528, 0.1600, 0.1978

# Square

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



68.6528, 0.4132, 0.4951



68.6528, 0.1757, 0.3333



68.6528, 0.2006, 0.1863



68.6528, 0.4666, 0.3000



# Rectangle

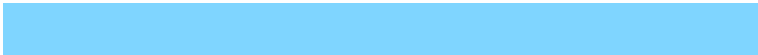
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6528, 0.4132, 0.4951



68.6528, 0.2643, 0.4758



68.6528, 0.2006, 0.1863



68.6528, 0.3402, 0.2270

# Sweetspot

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



68.6560, 0.4132, 0.4951



96.6635, 0.3491, 0.3892



17.7819, 0.5883, 0.3279



20.6053, 0.3545, 0.3981



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.



68.6560, 0.4132, 0.4951



92.7923, 0.4188, 0.5043



58.2891, 0.3467, 0.5435



16.0294, 0.3267, 0.3522



40.2509, 0.4193, 0.5052



2.7900, 0.4193, 0.5052



# Inverse Universe

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



7.7662, 0.1639, 0.0830



7.5076, 0.1513, 0.0621



12.0363, 0.2217, 0.1129



13.2435, 0.2980, 0.3047



3.1329, 0.1500, 0.0600

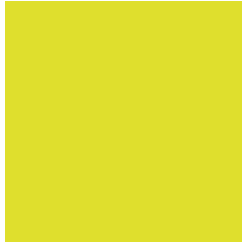


0.2172, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 68.6528, 0.4132, 0.4951 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 68.6528, 0.4132, 0.4951 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 68.6528, 0.4132, 0.4951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6528, 0.4132, 0.4951.



This preview shows how white text looks on a background with the Yxy color 68.6528, 0.4132, 0.4951.

# 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

68.6528, 0.4132, 0.4951

### Protanopia

68.3408, 0.4347, 0.4796

### Deuteranopia

68.1210, 0.4039, 0.4036



## Tritanopia

68.4981, 0.3233, 0.3122

# Trichromacy



## Original Color

68.6528, 0.4132, 0.4951

## Protanomaly

68.6778, 0.4267, 0.4853

## Deuteranomaly

67.6025, 0.4126, 0.4417

## Tritanomaly

67.2475, 0.3660, 0.3887

# Monochromacy



## Original Color

68.6528, 0.4132, 0.4951

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

61.8701, 0.3584, 0.4046

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6528, 0.4132, 0.4951 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(223, 223, 45)` looks like.

```
.text, #text, p{  
    color:rgb(223, 223, 45)  
}
```

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(223, 223, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 223, 45) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6528, 0.4132, 0.4951 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(223, 223, 45) }
```

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

```
.border{ border-color:rgb(223, 223, 45) }
```

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

Here you see how a box with a 4 pixel rgb(223, 223, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 223, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 223, 45);  
box-shadow:4px 4px 4px 4px rgb(223, 223,  
45) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6528, 0.4132, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 223, 45) }
```

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

```
.background{ background-color: rgb(223,  
223, 45) }
```

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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