

# Converting Colors

$Yxy(45.6557, 0.2997, 0.5991)$

Have a look what the booklet for  
Yxy(45.6557, 0.2997, 0.5991)  
contains.

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# Color

**Yxy(45.6097, 0.2997, 0.5990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D104
RGB	0, 209, 4
RGB Percent	0%, 82%, 2%
CMY	1.0000, 0.1804, 0.9845
CMYK	1.00, 0.00, 0.98, 0.18
HSL	121°, 100%, 41%
HSV	121°, 100%, 82%
XYZ	22.8201, 45.6097, 7.7133
YIQ	123.1390, -58.7590, -108.0630

# Conversions

## Conversions Part 2

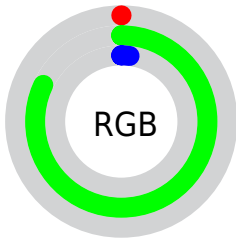
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 205, 209
Decimal	53508
CIELab	73.29, -74.11, 71.20
CIELCh	73, 102.771, 136.150
Yxy	45.6097, 0.2997, 0.5990
Android (android.graphics.Color)	4278243588 (0xFF00D104)
YUV	123.1390, -58.7355, -107.9929
Hunter-Lab	67.5350, -57.8710, 40.5028

# Details

The Yxy color **45.6097, 0.2997, 0.5990** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.9672, 0.3257, 0.1568**, and the grayscale version is **20.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2859, 0.3116, 0.5403**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6129, 0.2997, 0.5990**, and if you desaturate by 10%, it is **45.8305, 0.2999, 0.5905**.

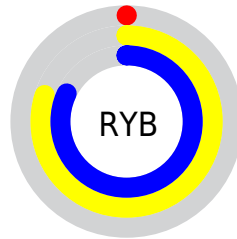
# Distribution



Red (0%)

Green (82%)

Blue (2%)



Red (0%)

Yellow (80%)

Blue (82%)

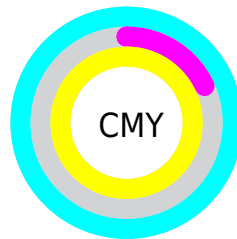


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (18%)



Cyan (100%)

Magenta (18%)


Yellow (98%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6097, 0.2997, 0.5990 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 45.6097, 0.2997, 0.5990 by changing the saturation by 10% instead.





 45.6097, 0.2997,  
0.5990

 45.6097, 0.2997,  
0.5990


 369.2373, 0.3194,  
0.4548


 31.9379, 0.2896,  
0.6344


 83.6346, 0.3106,  
0.5462


 21.3141, 0.2737,  
0.6776


 108.7565, 0.3136,  
0.5263


 13.3538, 0.2505,  
0.7363


 138.4639, 0.3156,  
0.5095

 7.6726, 0.2079,  
0.7921

 173.1412, 0.3170,  
0.4952

 3.8862, 0.1417,  
0.8583

 213.1728, 0.3180,  
0.4829

 1.6101, 0.0000,  
1.0000

 258.9431, 0.3187,

 0.3644, 0.0000,

0.4723

1.0000

310.8364, 0.3191,  
0.4630

■ 0.0000, 0.0000,  
0.0000

■ 45.6097, 0.2997,  
0.5990

■ 45.6097, 0.2997,  
0.5990

■ 45.6129, 0.2997,  
0.5990

■ 45.8305, 0.2999,  
0.5905

■ 46.2815, 0.3004,  
0.5739

■ 47.0383, 0.3013,  
0.5493

■ 48.1422, 0.3026,  
0.5185

■ 49.6281, 0.3043,  
0.4841

■ 51.5266, 0.3061,  
0.4487

■ 53.8652, 0.3079,  
0.4144

■ 56.6691, 0.3096,  
0.3827

■ 59.9616, 0.3112,  
0.3541

# Harmonies

## Analogous

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



45.6097, 0.4179, 0.5542



45.6097, 0.2997, 0.5990



45.6097, 0.1901, 0.4921

# Triad

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



45.6097, 0.2997, 0.5990



45.6097, 0.1172, 0.1503



45.6097, 0.5428, 0.2879

# Complementary

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



45.6097, 0.2997, 0.5990



17.9672, 0.3257, 0.1568

# 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.



45.6097, 0.4129, 0.2176



45.6097, 0.2997, 0.5990



45.6097, 0.1685, 0.1430

# Square

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



45.6097, 0.2997, 0.5990



45.6097, 0.1018, 0.1978



45.6097, 0.2679, 0.1662



45.6097, 0.5786, 0.3658

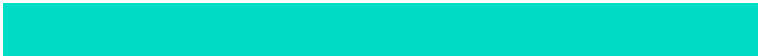


# Rectangle

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



45.6097, 0.2997, 0.5990



45.6097, 0.1387, 0.3682



45.6097, 0.2679, 0.1662



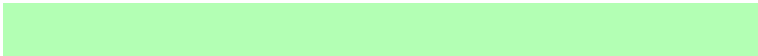
45.6097, 0.5072, 0.2633

# Sweetspot

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



45.6129, 0.2997, 0.5990



84.3372, 0.3078, 0.4156



58.6580, 0.4164, 0.5076



17.7005, 0.3070, 0.4300



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.



45.6129, 0.2997, 0.5990



71.5305, 0.2998, 0.5992



46.6867, 0.2712, 0.4964



13.2098, 0.3113, 0.3526



28.1231, 0.2996, 0.5987



1.5738, 0.2984, 0.5943



# Inverse Universe

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



17.9672, 0.3257, 0.1568



28.1741, 0.3258, 0.1568



14.4963, 0.5048, 0.2555



12.0051, 0.3141, 0.3065



11.0790, 0.3256, 0.1568

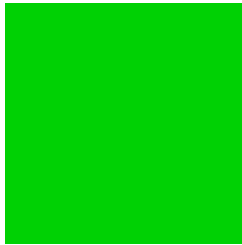


0.6207, 0.3247, 0.1562



# Previews

## White Background



This preview shows how the Yxy color 45.6097, 0.2997, 0.5990 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 45.6097, 0.2997, 0.5990 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 45.6097, 0.2997, 0.5990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6097, 0.2997, 0.5990.



This preview shows how white text looks on a background with the Yxy color 45.6097, 0.2997, 0.5990.

# 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

45.6097, 0.2997, 0.5990

### Protanopia

44.6577, 0.4401, 0.4888

### Deuteranopia

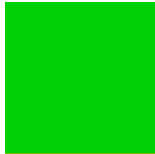
44.4127, 0.4610, 0.4510



## Tritanopia

45.3114, 0.2359, 0.3059

# Trichromacy



## Original Color

45.6097, 0.2997, 0.5990



## Protanomaly

41.4183, 0.3627, 0.5499



## Deuteranomaly

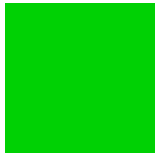
40.2144, 0.3757, 0.5264



## Tritanomaly

43.4369, 0.2649, 0.4353

# Monochromacy



## Original Color

45.6097, 0.2997, 0.5990



## Achromatopsia

19.8069, 0.3127, 0.3290



## Achromatomaly

25.3101, 0.3042, 0.4768

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6097, 0.2997, 0.5990 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(0, 209, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 4)  
}
```

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(0, 209, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6097, 0.2997, 0.5990 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(0, 209, 4) }
```

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

```
.border{ border-color:rgb(0, 209, 4) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 209, 4); box-shadow:4px  
4px 4px 4px rgb(0, 209, 4) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6097, 0.2997, 0.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 4) }
```

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

```
.background{ background-color: rgb(0, 209,  
4) }
```

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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