

Converting Colors

$Yxy(45.9583, 0.3048, 0.5962)$

Have a look what the booklet for
Yxy(45.9583, 0.3048, 0.5962)
contains.

Yxy(45.9583, 0.3048, 0.5962)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9583, 0.3048, 0.5962)

Conversions

Conversions Part 1

Format	Color
Hex	23D100
RGB	35, 209, 0
RGB Percent	14%, 82%, 0%
CMY	0.8624, 0.1804, 1.0000
CMYK	0.83, 0.00, 1.00, 0.18
HSL	110°, 100%, 41%
HSV	110°, 100%, 82%
XYZ	23.4956, 45.9583, 7.6315
YIQ	133.1480, -36.6150, -101.8870

Conversions

Conversions Part 2

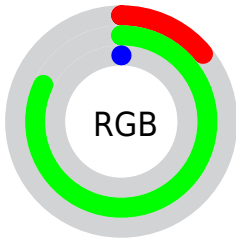
Format	Color
R _{YB}	0, 209, 174
Decimal	2347264
CIE Lab	73.52, -72.06, 71.88
CIE LCh	74, 101.779, 135.069
Yxy	45.9583, 0.3048, 0.5962
Android (android.graphics.Color)	4280537344 (0xFF23D100)
YUV	133.1480, -65.6420, -86.0758
Hunter-Lab	67.7926, -56.7722, 40.7805

Details

The Yxy color **45.9583, 0.3048, 0.5962** 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 **13.5925, 0.2784, 0.1307**, and the grayscale version is **23.7765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8575, 0.3161, 0.5385**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.9602, 0.3048, 0.5962**, and if you desaturate by 10%, it is **46.3980, 0.3080, 0.5862**.

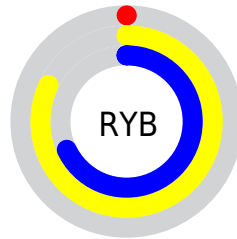
Distribution



Red (14%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (68%)

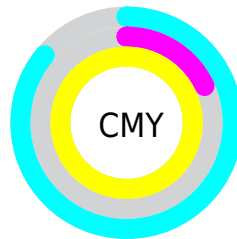


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (86%)


Magenta (18%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9583, 0.3048, 0.5962 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 45.9583, 0.3048, 0.5962 by changing the saturation by 10% instead.


 45.9583, 0.3048,
0.5962


 45.9583, 0.3048,
0.5962

 370.6410, 0.3220,
0.4542


 32.2129, 0.2953,
0.6307


 84.1566, 0.3148,
0.5444


 21.5242, 0.2802,
0.6728


 109.3783, 0.3174,
0.5248


 13.5077, 0.2581,
0.7300


 139.1942, 0.3192,
0.5083


 7.7791, 0.2165,
0.7835

 173.9887, 0.3203,
0.4942

 3.9539, 0.1533,
0.8467

 214.1463, 0.3211,
0.4821

 1.6478, 0.0000,
1.0000

 260.0512, 0.3215,

 0.3895, 0.0000,

0.4715

1.0000

312.0880, 0.3218,
0.4623

■ 0.0000, 0.0000,
0.0000

■ 45.9583, 0.3048,
0.5962

■ 45.9583, 0.3048,
0.5962

■ 45.9602, 0.3048,
0.5962

■ 46.3980, 0.3080,
0.5862

■ 47.0644, 0.3112,
0.5691

■ 47.9957, 0.3138,
0.5447

■ 49.2175, 0.3156,
0.5148

■ 50.7518, 0.3165,
0.4816

■ 52.6188, 0.3167,
0.4475

■ 54.8368, 0.3163,
0.4141

■ 57.4226, 0.3154,
0.3829

■ 60.3922, 0.3142,
0.3544

Harmonies

Analogous

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



45.9583, 0.4219, 0.5494



45.9583, 0.3048, 0.5962



45.9583, 0.1950, 0.4960

Triad

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



45.9583, 0.3048, 0.5962



45.9583, 0.1175, 0.1527



45.9583, 0.5369, 0.2860

Complementary

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



45.9583, 0.3048, 0.5962



13.5925, 0.2784, 0.1307

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.



45.9583, 0.4064, 0.2164



45.9583, 0.3048, 0.5962



45.9583, 0.1673, 0.1442

Square

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



45.9583, 0.3048, 0.5962



45.9583, 0.1035, 0.2021



45.9583, 0.2640, 0.1662



45.9583, 0.5766, 0.3634

Rectangle

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



45.9583, 0.3048, 0.5962



45.9583, 0.1426, 0.3743



45.9583, 0.2640, 0.1662



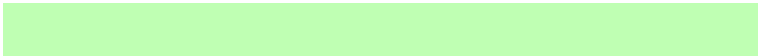
45.9583, 0.5006, 0.2616

Sweetspot

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



45.9602, 0.3048, 0.5962



85.8753, 0.3163, 0.4152



42.5621, 0.4562, 0.4760



18.0503, 0.3166, 0.4293



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.



45.9602, 0.3048, 0.5962



72.0294, 0.3043, 0.5965



45.9969, 0.2880, 0.5569



13.3003, 0.3141, 0.3528



28.3666, 0.3054, 0.5957



1.6163, 0.3165, 0.5869

Inverse Universe

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



13.5925, 0.2784, 0.1307



21.2457, 0.2779, 0.1305



15.5331, 0.4219, 0.2098



11.9045, 0.3111, 0.3059



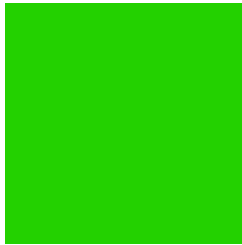
8.4179, 0.2791, 0.1311



0.4979, 0.2872, 0.1356

Previews

White Background



This preview shows how the Yxy color 45.9583, 0.3048, 0.5962 looks on a white background.

Color Contrast Check

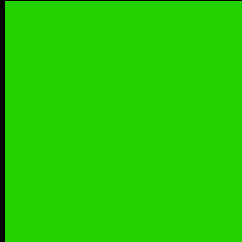
Large Text (above 18pt) WCAG AA × Fail

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 45.9583, 0.3048, 0.5962 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 45.9583, 0.3048, 0.5962

Background



This preview shows how black text looks on a background with the Yxy color 45.9583, 0.3048, 0.5962.



This preview shows how white text looks on a background with the Yxy color 45.9583, 0.3048, 0.5962.

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

45.9583, 0.3048, 0.5962

Protanopia

44.7968, 0.4410, 0.4880

Deuteranopia

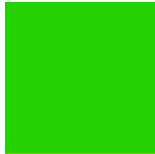
44.9465, 0.4609, 0.4513



Tritanopia

45.5639, 0.2380, 0.3060

Trichromacy



Original Color

45.9583, 0.3048, 0.5962



Protanomaly

42.4896, 0.3743, 0.5410



Deuteranomaly

41.4376, 0.3882, 0.5178



Tritanomaly

43.9458, 0.2714, 0.4354

Monochromacy



Original Color

45.9583, 0.3048, 0.5962



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.6870, 0.3160, 0.4694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9583, 0.3048, 0.5962 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(35, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 209, 0)  
}
```

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(35, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 209, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.9583, 0.3048, 0.5962 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(35, 209, 0) }
```

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

```
.border{ border-color:rgb(35, 209, 0) }
```

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

Here you see how a box with a 4 pixel rgb(35, 209, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(35, 209, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.9583, 0.3048, 0.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 209, 0) }
```

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

```
.background{ background-color: rgb(35, 209,  
0) }
```

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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