

Converting Colors

$Y_{xy}(50.5362, 0.3276, 0.5781)$

Have a look what the booklet for
Yxy(50.5362, 0.3276, 0.5781)
contains.

Yxy(50.4203, 0.3275, 0.5782)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.4203, 0.3275, 0.5782)

Conversions

Conversions Part 1

Format	Color
Hex	5DD600
RGB	93, 214, 0
RGB Percent	36%, 84%, 0%
CMY	0.6354, 0.1608, 1.0000
CMYK	0.57, 0.00, 1.00, 0.16
HSL	94°, 100%, 42%
HSV	94°, 100%, 84%
XYZ	28.5587, 50.4203, 8.2232
YIQ	153.4250, -3.4220, -92.2060

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 121
Decimal	6149632
CIELab	76.33, -63.07, 74.64
CIELCh	76, 97.721, 130.195
Yxy	50.4203, 0.3275, 0.5782
Android (android.graphics.Color)	4284339712 (0xFF5DD600)
YUV	153.4250, -75.6385, -52.9927
Hunter-Lab	71.0073, -52.4710, 42.8389

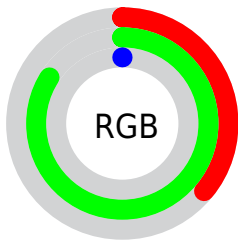
Details

The Yxy color **50.4203, 0.3275, 0.5782** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **8.9223, 0.2148, 0.0957**, and the grayscale version is **32.3873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1287, 0.3370, 0.5241**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.4227, 0.3275, 0.5782**, and if you desaturate by 10%, it is **51.1605, 0.3328, 0.5672**.

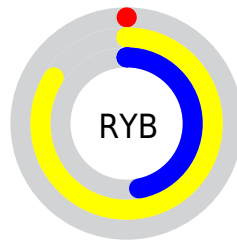
Distribution



Red (36%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (47%)

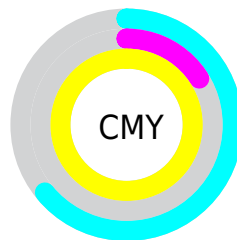


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (64%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4203, 0.3275, 0.5782 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 50.4203, 0.3275, 0.5782 by changing the saturation by 10% instead.

 50.4203, 0.3275,
0.5782

 50.4203, 0.3275,
0.5782


388.3073, 0.3328,
0.4500

 35.7475, 0.3213,
0.6081


 90.7973, 0.3330,
0.5325


 24.2392, 0.3107,
0.6440


 117.2703, 0.3339,
0.5149

 15.5112, 0.2938,
0.6899


 148.4454, 0.3343,
0.4999

 9.1789, 0.2622,
0.7378

 184.7071, 0.3343,
0.4870

 4.8581, 0.2103,
0.7897

 226.4397, 0.3341,
0.4759

 2.1642, 0.0761,
0.9239

 274.0277, 0.3337,

 0.7004, 0.0000,

0.4661

1.0000

327.8554, 0.3333,
0.4576

■ 0.0000, 0.0000,
0.0000

■ 50.4203, 0.3275,
0.5782

■ 50.4203, 0.3275,
0.5782

■ 50.4227, 0.3275,
0.5782

■ 51.1605, 0.3328,
0.5672

■ 52.0643, 0.3368,
0.5507

■ 53.1587, 0.3388,
0.5285

■ 54.4591, 0.3388,
0.5019

■ 55.9786, 0.3369,
0.4723

■ 57.7291, 0.3336,
0.4415

■ 59.7217, 0.3291,
0.4109

■ 61.9663, 0.3239,
0.3816

■ 64.4725, 0.3184,
0.3542

Harmonies

Analogous

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



50.4203, 0.4380, 0.5265



50.4203, 0.3275, 0.5782



50.4203, 0.2190, 0.5068

Triad

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



50.4203, 0.3275, 0.5782



50.4203, 0.1219, 0.1665



50.4203, 0.5068, 0.2785

Complementary

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



50.4203, 0.3275, 0.5782



8.9223, 0.2148, 0.0957

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.



50.4203, 0.3779, 0.2131



50.4203, 0.3275, 0.5782



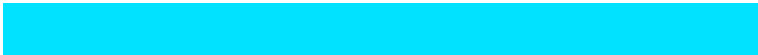
50.4203, 0.1642, 0.1521

Square

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



50.4203, 0.3275, 0.5782



50.4203, 0.1139, 0.2236



50.4203, 0.2492, 0.1687



50.4203, 0.5622, 0.3532

Rectangle

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



50.4203, 0.3275, 0.5782



50.4203, 0.1630, 0.3994



50.4203, 0.2492, 0.1687



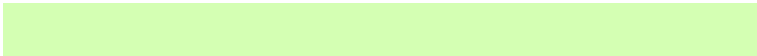
50.4203, 0.4687, 0.2552

Sweetspot

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



50.4227, 0.3275, 0.5782



88.7125, 0.3293, 0.4118



27.1844, 0.5274, 0.4195



18.7095, 0.3312, 0.4248



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.



50.4227, 0.3275, 0.5782



74.8859, 0.3268, 0.5787



48.1200, 0.2993, 0.5974



14.1572, 0.3181, 0.3526



30.5342, 0.3285, 0.5773



1.8901, 0.3422, 0.5665

Inverse Universe

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



8.9223, 0.2148, 0.0957



13.1682, 0.2139, 0.0952



18.6236, 0.3340, 0.1613



12.3517, 0.3069, 0.3055



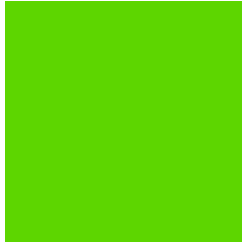
5.4552, 0.2162, 0.0965



0.3776, 0.2337, 0.1061

Previews

White Background



This preview shows how the Yxy color 50.4203, 0.3275, 0.5782 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 50.4203, 0.3275, 0.5782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

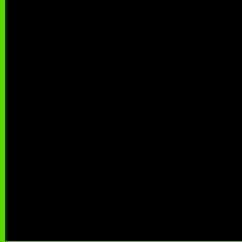
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

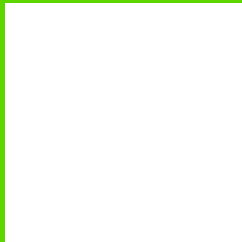
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4203, 0.3275, 0.5782

Background



This preview shows how black text looks on a background with the Yxy color 50.4203, 0.3275, 0.5782.



This preview shows how white text looks on a background with the Yxy color 50.4203, 0.3275, 0.5782.

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

50.4203, 0.3275, 0.5782

Protanopia

49.3895, 0.4410, 0.4880

Deuteranopia

49.2883, 0.4629, 0.4523



Tritanopia

50.1131, 0.2523, 0.3073

Trichromacy



Original Color

50.4203, 0.3275, 0.5782



Protanomaly

48.2573, 0.3935, 0.5258



Deuteranomaly

46.9780, 0.4090, 0.5036



Tritanomaly

48.5026, 0.2920, 0.4303

Monochromacy



Original Color

50.4203, 0.3275, 0.5782



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.3483, 0.3352, 0.4538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4203, 0.3275, 0.5782 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(93, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 214, 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(93, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.4203, 0.3275, 0.5782 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(93, 214, 0) }
```

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

```
.border{ border-color:rgb(93, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 214, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 50.4203, 0.3275, 0.5782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 214, 0) }
```

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

```
.background{ background-color: rgb(93, 214,  
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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