

Converting Colors

Yxy(51.4583, 0.3090, 0.5915)

Have a look what the booklet for
Yxy(51.4583, 0.3090, 0.5915)
contains.

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Color

Yxy(51.4583, 0.3090, 0.5915)

Conversions

Conversions Part 1

Format	Color
Hex	36DB05
RGB	54, 219, 5
RGB Percent	21%, 86%, 2%
CMY	0.7880, 0.1412, 0.9807
CMYK	0.75, 0.00, 0.98, 0.14
HSL	106°, 96%, 44%
HSV	106°, 98%, 86%
XYZ	26.8819, 51.4583, 8.6561
YIQ	145.2690, -29.6460, -101.5340

Conversions

Conversions Part 2

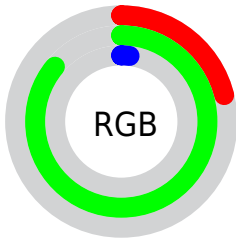
Format	Color
RYB	5, 219, 170
Decimal	3595013
CIELab	76.96, -72.47, 74.27
CIELCh	77, 103.768, 134.296
Yxy	51.4583, 0.3090, 0.5915
Android (android.graphics.Color)	4281785093 (0xFF36DB05)
YUV	145.2690, -69.1526, -80.0429
Hunter-Lab	71.7344, -58.6440, 43.0596

Details


The Yxy color **51.4583, 0.3090, 0.5915** 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 **13.7530, 0.2641, 0.1236**, and the grayscale version is **28.7302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7811, 0.3211, 0.5321**, and **25.8407, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.3487, 0.3082, 0.5935**, and if you desaturate by 10%, it is **52.0791, 0.3132, 0.5800**.

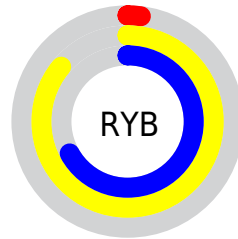
Distribution



 Red (21%)

 Green (86%)

 Blue (2%)




 Red (2%)

 Yellow (86%)

 Blue (67%)

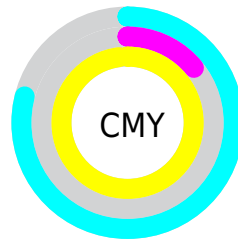


 Cyan (75%)


 Magenta (0%)

 Yellow (98%)

 Black (14%)



 Cyan (79%)


 Magenta (14%)

 Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4583, 0.3090, 0.5915 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 51.4583, 0.3090, 0.5915 by changing the saturation by 10% instead.

 51.4583, 0.3090,
0.5915


 51.4583, 0.3090,
0.5915


392.3418, 0.3238,
0.4549

 36.5735, 0.3006,
0.6239


 92.3319, 0.3179,
0.5423


 24.8774, 0.2873,
0.6631


 119.0894, 0.3201,
0.5236


 15.9858, 0.2667,
0.7125


 150.5733, 0.3216,
0.5076

 9.5141, 0.2321,
0.7679

 187.1679, 0.3226,
0.4940

 5.0780, 0.1765,
0.8235

 229.2576, 0.3232,
0.4822

 2.2931, 0.0065,
0.9935

 277.2270, 0.3235,

 0.7700, 0.0000,

0.4719

1.0000

331.4602, 0.3237,
0.4629

■ 0.0000, 0.0000,
0.0000

■ 51.4583, 0.3090,
0.5915

■ 51.4583, 0.3090,
0.5915

■ 51.3487, 0.3082,
0.5935

■ 52.0791, 0.3132,
0.5800

■ 52.9483, 0.3167,
0.5612

■ 54.0976, 0.3193,
0.5357

■ 55.5505, 0.3207,
0.5054

■ 57.3279, 0.3210,
0.4725

■ 59.4487, 0.3203,
0.4390

■ 61.9302, 0.3188,
0.4065

■ 64.7888, 0.3169,
0.3761

■ 68.0395, 0.3146,
0.3485

Harmonies

Analogous

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



51.4583, 0.4246, 0.5447



51.4583, 0.3090, 0.5915



51.4583, 0.1997, 0.4968

Triad

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



51.4583, 0.3090, 0.5915



51.4583, 0.1190, 0.1557



51.4583, 0.5307, 0.2852

Complementary

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



51.4583, 0.3090, 0.5915



13.7530, 0.2641, 0.1236

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.



51.4583, 0.4011, 0.2164



51.4583, 0.3090, 0.5915



51.4583, 0.1674, 0.1462

Square

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



51.4583, 0.3090, 0.5915



51.4583, 0.1060, 0.2063



51.4583, 0.2618, 0.1673



51.4583, 0.5731, 0.3620

Rectangle

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



51.4583, 0.3090, 0.5915



51.4583, 0.1468, 0.3784



51.4583, 0.2618, 0.1673



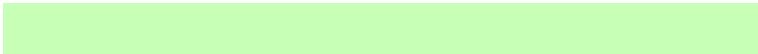
51.4583, 0.4942, 0.2610

Sweetspot

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



51.4605, 0.3090, 0.5915



86.8669, 0.3191, 0.4113



43.4655, 0.4663, 0.4666



18.2641, 0.3198, 0.4251



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.



51.4605, 0.3090, 0.5915



72.4353, 0.3077, 0.5939



51.0436, 0.2907, 0.5651



14.7497, 0.3150, 0.3529



30.4878, 0.3090, 0.5929



2.0142, 0.3203, 0.5839

Inverse Universe

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



13.7530, 0.2641, 0.1236



19.0200, 0.2623, 0.1219



17.7727, 0.4010, 0.1992



13.1164, 0.3101, 0.3057



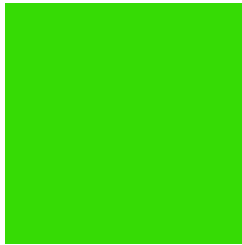
8.0686, 0.2637, 0.1226



0.5602, 0.2735, 0.1280

Previews

White Background



This preview shows how the Yxy color 51.4583, 0.3090, 0.5915 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 51.4583, 0.3090, 0.5915 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

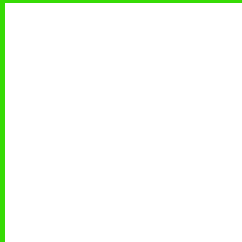
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4583, 0.3090, 0.5915

Background



This preview shows how black text looks on a background with the Yxy color 51.4583, 0.3090, 0.5915.



This preview shows how white text looks on a background with the Yxy color 51.4583, 0.3090, 0.5915.

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

51.4583, 0.3090, 0.5915

Protanopia

50.3922, 0.4399, 0.4889

Deuteranopia

50.4500, 0.4615, 0.4516



Tritanopia

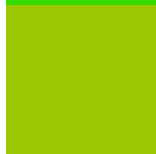
51.2961, 0.2408, 0.3071

Trichromacy



Original Color

51.4583, 0.3090, 0.5915



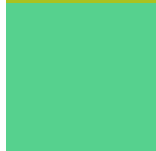
Protanomaly

48.2815, 0.3796, 0.5362



Deuteranomaly

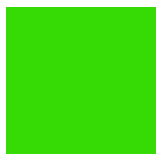
47.2339, 0.3930, 0.5137



Tritanomaly

49.5324, 0.2752, 0.4324

Monochromacy



Original Color

51.4583, 0.3090, 0.5915



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.7579, 0.3209, 0.4619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4583, 0.3090, 0.5915 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(54, 219, 5)` looks like.

```
.text, #text, p{  
    color:rgb(54, 219, 5)  
}
```

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(54, 219, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 219, 5) }
```

Border

The CSS property to change the border of an element to Yxy 51.4583, 0.3090, 0.5915 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(54, 219, 5) }
```

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

```
.border{ border-color:rgb(54, 219, 5) }
```

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

Here you see how a box with a 4 pixel rgb(54, 219, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 219, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 219, 5);  
box-shadow:4px 4px 4px 4px rgb(54, 219, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.4583, 0.3090, 0.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 219, 5) }
```

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

```
.background{ background-color: rgb(54, 219,  
5) }
```

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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