

Converting Colors

Yxy(53.2121, 0.3186, 0.6092)

Have a look what the booklet for
Yxy(53.2121, 0.3186, 0.6092)
contains.

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Color

Yxy(53.3664, 0.3128, 0.5898)

Conversions

Conversions Part 1

Format	Color
Hex	41DE00
RGB	65, 222, 0
RGB Percent	25%, 87%, 0%
CMY	0.7450, 0.1294, 0.9994
CMYK	0.71, 0.00, 1.00, 0.13
HSL	102°, 100%, 44%
HSV	102°, 100%, 87%
XYZ	28.3028, 53.3664, 8.8130
YIQ	149.7490, -22.3100, -102.3260

Conversions

Conversions Part 2

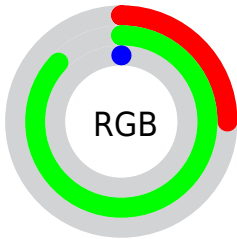
Format	Color
RYB	0, 222, 157
Decimal	4316672
CIELab	78.09, -71.68, 75.71
CIELCh	78, 104.258, 133.431
Yxy	53.3664, 0.3128, 0.5898
Android (android.graphics.Color)	4282506752 (0xFF41DE00)
YUV	149.7490, -73.8263, -74.3249
Hunter-Lab	73.0523, -58.6849, 43.9839

Details

The Yxy color **53.3664, 0.3128, 0.5898** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **12.4607, 0.2473, 0.1136**, and the grayscale version is **30.7248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3428, 0.3249, 0.5297**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.3643, 0.3128, 0.5899**, and if you desaturate by 10%, it is **54.0405, 0.3176, 0.5790**.

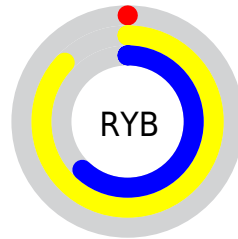
Distribution



Red (25%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (62%)

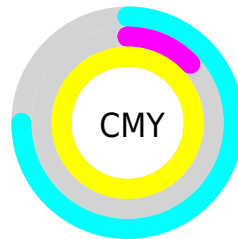


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (75%)


Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3664, 0.3128, 0.5898 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 53.3664, 0.3128, 0.5898 by changing the saturation by 10% instead.

 53.3664, 0.3128,
0.5898

 53.3664, 0.3128,
0.5898


 399.6893, 0.3258,
0.4553


 38.0953, 0.3049,
0.6213


 95.1433, 0.3210,
0.5417


 26.0567, 0.2923,
0.6592


 122.4179, 0.3230,
0.5233


 16.8661, 0.2726,
0.7063


 154.4626, 0.3243,
0.5076

 10.1390, 0.2400,
0.7600

 191.6616, 0.3251,
0.4941

 5.4912, 0.1868,
0.8132

 234.3993, 0.3255,
0.4824

 2.5383, 0.0571,
0.9429

 283.0603, 0.3258,

 0.8957, 0.0000,

0.4722

1.0000

338.0288, 0.3258,
0.4633

■ 0.0000, 0.0000,
0.0000

■ 53.3664, 0.3128,
0.5898

■ 53.3664, 0.3128,
0.5898

■ 53.3643, 0.3128,
0.5899

■ 54.0405, 0.3176,
0.5790

■ 54.9406, 0.3217,
0.5619

■ 56.1008, 0.3245,
0.5381

■ 57.5428, 0.3258,
0.5094

■ 59.2858, 0.3257,
0.4777

■ 61.3470, 0.3244,
0.4449

■ 63.7422, 0.3222,
0.4127

■ 66.4863, 0.3193,
0.3823

■ 69.5929, 0.3161,
0.3542

Harmonies

Analogous

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



53.3664, 0.4277, 0.5413



53.3664, 0.3128, 0.5898



53.3664, 0.2034, 0.5000

Triad

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



53.3664, 0.3128, 0.5898



53.3664, 0.1191, 0.1574



53.3664, 0.5264, 0.2835

Complementary

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



53.3664, 0.3128, 0.5898



12.4607, 0.2473, 0.1136

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.



53.3664, 0.3963, 0.2153



53.3664, 0.3128, 0.5898



53.3664, 0.1662, 0.1470

Square

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



53.3664, 0.3128, 0.5898



53.3664, 0.1071, 0.2094



53.3664, 0.2588, 0.1671



53.3664, 0.5718, 0.3600

Rectangle

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



53.3664, 0.3128, 0.5898



53.3664, 0.1496, 0.3832



53.3664, 0.2588, 0.1671



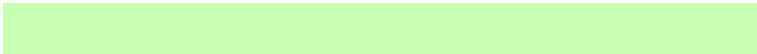
53.3664, 0.4894, 0.2595

Sweetspot

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



53.3686, 0.3128, 0.5898



87.1532, 0.3223, 0.4137



39.1235, 0.4853, 0.4529



18.3453, 0.3233, 0.4272



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.



53.3686, 0.3128, 0.5898



72.9977, 0.3123, 0.5902



52.4308, 0.2949, 0.5814



15.5304, 0.3159, 0.3529



31.7463, 0.3137, 0.5891



2.2456, 0.3252, 0.5800

Inverse Universe

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



12.4607, 0.2473, 0.1136



16.9775, 0.2467, 0.1133



18.7333, 0.3798, 0.1866



13.7239, 0.3091, 0.3056



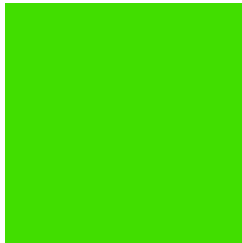
7.4559, 0.2483, 0.1142



0.5621, 0.2599, 0.1205

Previews

White Background



This preview shows how the Yxy color 53.3664, 0.3128, 0.5898 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 53.3664, 0.3128, 0.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

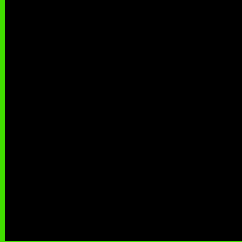
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

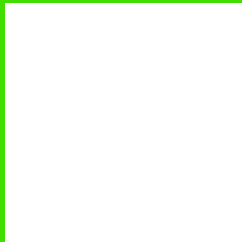
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3664, 0.3128, 0.5898

Background



This preview shows how black text looks on a background with the Yxy color 53.3664, 0.3128, 0.5898.



This preview shows how white text looks on a background with the Yxy color 53.3664, 0.3128, 0.5898.

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

53.3664, 0.3128, 0.5898

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

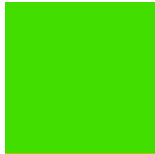
52.3619, 0.4619, 0.4520



Tritanopia

52.7853, 0.2426, 0.3062

Trichromacy



Original Color

53.3664, 0.3128, 0.5898



Protanomaly

50.2889, 0.3829, 0.5341



Deuteranomaly

49.3734, 0.3975, 0.5119



Tritanomaly

51.4196, 0.2795, 0.4349

Monochromacy



Original Color

53.3664, 0.3128, 0.5898



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.8171, 0.3249, 0.4609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3664, 0.3128, 0.5898 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(65, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 222, 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(65, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.3664, 0.3128, 0.5898 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(65, 222, 0) }
```

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

```
.border{ border-color:rgb(65, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(65, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 222, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 53.3664, 0.3128, 0.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 222, 0) }
```

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

```
.background{ background-color: rgb(65, 222,  
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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