

Converting Colors

Yxy(51.6004, 0.3244, 0.5806)

Have a look what the booklet for
Yxy(51.6004, 0.3244, 0.5806)
contains.

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Color

Yxy(51.7496, 0.3246, 0.5805)

Conversions

Conversions Part 1

Format	Color
Hex	59D900
RGB	89, 217, 0
RGB Percent	35%, 85%, 0%
CMY	0.6507, 0.1490, 1.0000
CMYK	0.59, 0.00, 1.00, 0.15
HSL	95°, 100%, 43%
HSV	95°, 100%, 85%
XYZ	28.9370, 51.7496, 8.4600
YIQ	153.9900, -6.6310, -94.6230

Conversions

Conversions Part 2

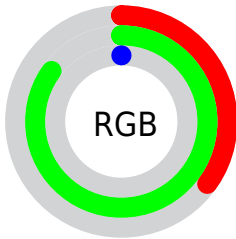
Format	Color
RYB	0, 217, 128
Decimal	5888256
CIELab	77.13, -65.06, 75.23
CIELCh	77, 99.461, 130.856
Yxy	51.7496, 0.3246, 0.5805
Android (android.graphics.Color)	4284078336 (0xFF59D900)
YUV	153.9900, -75.9171, -56.9962
Hunter-Lab	71.9372, -54.0878, 43.3834

Details

The Yxy color **51.7496, 0.3246, 0.5805** 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 **9.5935, 0.2199, 0.0985**, and the grayscale version is **32.6612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9482, 0.3354, 0.5240**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.7520, 0.3246, 0.5805**, and if you desaturate by 10%, it is **52.4982, 0.3299, 0.5695**.

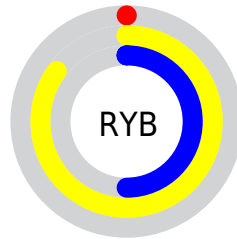
Distribution



Red (35%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (50%)

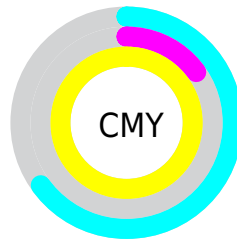


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (65%)

Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7496, 0.3246, 0.5805 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 51.7496, 0.3246, 0.5805 by changing the saturation by 10% instead.


 51.7496, 0.3246,
0.5805


 51.7496, 0.3246,
0.5805


393.4692, 0.3314,
0.4514


 36.8055, 0.3181,
0.6106


 92.7618, 0.3306,
0.5345

 25.0570, 0.3072,
0.6466


 119.5988, 0.3318,
0.5168

 16.1195, 0.2898,
0.6921


 151.1689, 0.3323,
0.5017

 9.6087, 0.2586,
0.7414

 187.8564, 0.3325,
0.4887

 5.1403, 0.2070,
0.7930

 230.0458, 0.3324,
0.4775

 2.3298, 0.0842,
0.9158

 278.1214, 0.3322,

 0.7894, 0.0000,

0.4677

1.0000

332.4678, 0.3318,
0.4590

■ 0.0000, 0.0000,
0.0000

■ 51.7496, 0.3246,
0.5805

■ 51.7496, 0.3246,
0.5805

■ 51.7520, 0.3246,
0.5805

■ 52.4982, 0.3299,
0.5695

■ 53.4236, 0.3340,
0.5528

■ 54.5540, 0.3362,
0.5303

■ 55.9060, 0.3365,
0.5033

■ 57.4937, 0.3350,
0.4733

■ 59.3301, 0.3320,
0.4422

■ 61.4269, 0.3279,
0.4113

■ 63.7951, 0.3232,
0.3818

■ 66.4449, 0.3180,
0.3542

Harmonies

Analogous

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



51.7496, 0.4360, 0.5294



51.7496, 0.3246, 0.5805



51.7496, 0.2159, 0.5056

Triad

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



51.7496, 0.3246, 0.5805



51.7496, 0.1214, 0.1646



51.7496, 0.5107, 0.2795

Complementary

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



51.7496, 0.3246, 0.5805



9.5935, 0.2199, 0.0985

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.



51.7496, 0.3815, 0.2136



51.7496, 0.3246, 0.5805



51.7496, 0.1646, 0.1511

Square

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



51.7496, 0.3246, 0.5805



51.7496, 0.1126, 0.2207



51.7496, 0.2511, 0.1684



51.7496, 0.5642, 0.3546

Rectangle

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



51.7496, 0.3246, 0.5805



51.7496, 0.1603, 0.3962



51.7496, 0.2511, 0.1684



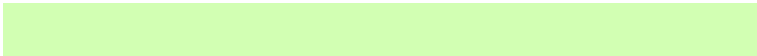
51.7496, 0.4728, 0.2561

Sweetspot

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



51.7520, 0.3246, 0.5805



88.4414, 0.3281, 0.4122



29.8225, 0.5177, 0.4271



18.6458, 0.3299, 0.4252



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.



51.7520, 0.3246, 0.5805



74.5030, 0.3240, 0.5810



49.6688, 0.2987, 0.5953



14.8659, 0.3177, 0.3527



31.3869, 0.3256, 0.5797



2.0830, 0.3386, 0.5694

Inverse Universe

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



9.5935, 0.2199, 0.0985



13.7358, 0.2191, 0.0981



18.8710, 0.3433, 0.1665



12.9946, 0.3073, 0.3055



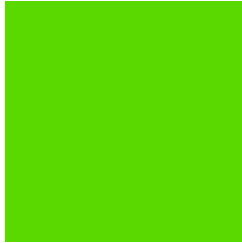
5.8707, 0.2213, 0.0993



0.4303, 0.2372, 0.1080

Previews

White Background



This preview shows how the Yxy color 51.7496, 0.3246, 0.5805 looks on a white background.

Color Contrast Check

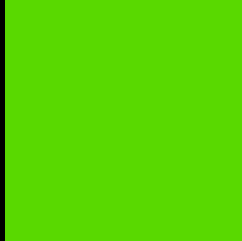
Large Text (above 18pt) WCAG AA × Fail

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 51.7496, 0.3246, 0.5805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

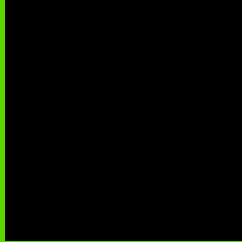
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

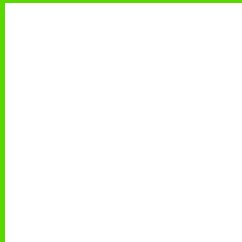
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7496, 0.3246, 0.5805

Background



This preview shows how black text looks on a background with the Yxy color 51.7496, 0.3246, 0.5805.

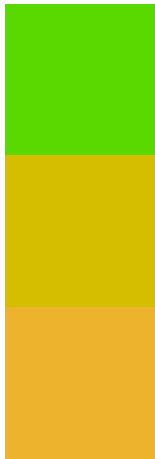


This preview shows how white text looks on a background with the Yxy color 51.7496, 0.3246, 0.5805.

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

51.7496, 0.3246, 0.5805

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

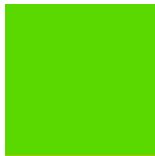
50.6068, 0.4631, 0.4519



Tritanopia

51.5881, 0.2509, 0.3075

Trichromacy



Original Color

51.7496, 0.3246, 0.5805



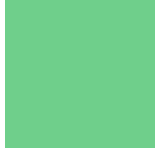
Protanomaly

49.1717, 0.3920, 0.5270



Deuteranomaly

48.4190, 0.4072, 0.5047



Tritanomaly

49.8692, 0.2898, 0.4311

Monochromacy



Original Color

51.7496, 0.3246, 0.5805



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.0719, 0.3330, 0.4550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7496, 0.3246, 0.5805 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(89, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 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(89, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.7496, 0.3246, 0.5805 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(89, 217, 0) }
```

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

```
.border{ border-color:rgb(89, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 217, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.7496, 0.3246, 0.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 0) }
```

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

```
.background{ background-color: rgb(89, 217,  
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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