

Converting Colors

$Yxy(36.3014, 0.3023, 0.5508)$

Have a look what the booklet for
Yxy(36.3014, 0.3023, 0.5508)
contains.

Yxy(36.2441, 0.3023, 0.5505)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.2441, 0.3023, 0.5505)

Conversions

Conversions Part 1

Format	Color
Hex	38BA38
RGB	56, 186, 56
RGB Percent	22%, 73%, 22%
CMY	0.7805, 0.2706, 0.7803
CMYK	0.70, 0.00, 0.70, 0.27
HSL	120°, 54%, 47%
HSV	120°, 70%, 73%
XYZ	19.9030, 36.2441, 9.6914
YIQ	132.3100, -35.7500, -67.9900

Conversions

Conversions Part 2

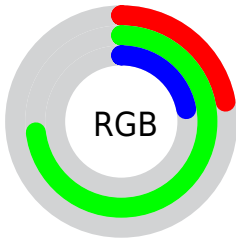
Format	Color
RYB	56, 186, 186
Decimal	3717688
CIELab	66.71, -59.58, 53.30
CIELCh	67, 79.940, 138.184
Yxy	36.2441, 0.3023, 0.5505
Android (android.graphics.Color)	4281907768 (0xFF38BA38)
YUV	132.3100, -37.6208, -66.9239
Hunter-Lab	60.2031, -46.3437, 32.5977

Details

The Yxy color **36.2441, 0.3023, 0.5505** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **16.8085, 0.3200, 0.1762**, and the grayscale version is **23.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2919, 0.3100, 0.5024**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.6564, 0.3012, 0.5749**, and if you desaturate by 10%, it is **37.1014, 0.3037, 0.5197**.

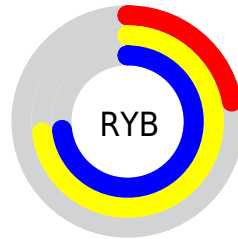
Distribution



Red (22%)

Green (73%)

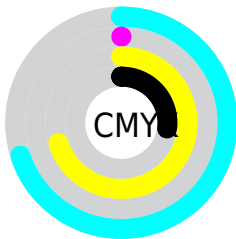
Blue (22%)



Red (22%)

Yellow (73%)

Blue (73%)

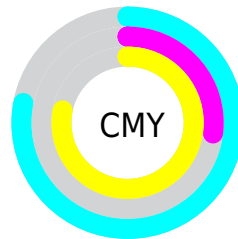


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (27%)



Cyan (78%)


Magenta (27%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2441, 0.3023, 0.5505 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 36.2441, 0.3023, 0.5505 by changing the saturation by 10% instead.


 36.2441, 0.3023,
0.5505

 36.2441, 0.3023,
0.5505


330.0262, 0.3159,
0.4269


 24.6228, 0.2950,
0.5842

 69.4087, 0.3099,
0.5030


 15.7962, 0.2828,
0.6281

 91.7207, 0.3119,
0.4859


 9.3801, 0.2621,
0.6868


 118.3651, 0.3133,
0.4717

 4.9899, 0.2272,
0.7728

 149.7262, 0.3142,
0.4598

 2.2413, 0.1192,
0.8808

 186.1885, 0.3149,
0.4497

 0.7424, 0.0000,
1.0000

 228.1363, 0.3153,

 0.0000, 0.0000,

0.4410

0.0000

275.9541, 0.3157,
0.4335

■ 36.2441, 0.3023,
0.5505

■ 36.2441, 0.3023,
0.5505

■ 35.6564, 0.3012,
0.5749

■ 37.1014, 0.3037,
0.5197

■ 35.3025, 0.3004,
0.5911

■ 38.2502, 0.3054,
0.4851

■ 35.1215, 0.3000,
0.5999

■ 39.7154, 0.3070,
0.4495

■ 35.1200, 0.3000,
0.6000

■ 41.5178, 0.3087,
0.4150

■ 43.6768, 0.3102,
0.3830

■ 46.2099, 0.3115,
0.3542

■ 49.1338, 0.3127,
0.3288

■ 52.4639, 0.3138,
0.3067

■ 56.2151, 0.3147,
0.2877

Harmonies

Analogous

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



36.2441, 0.4076, 0.5331



36.2441, 0.3023, 0.5505



36.2441, 0.2048, 0.4531

Triad

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



36.2441, 0.3023, 0.5505



36.2441, 0.1406, 0.1704



36.2441, 0.5129, 0.3023

Complementary

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



36.2441, 0.3023, 0.5505



16.8085, 0.3200, 0.1762

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.



36.2441, 0.4073, 0.2363



36.2441, 0.3023, 0.5505



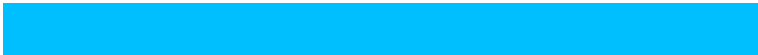
36.2441, 0.1914, 0.1644

Square

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



36.2441, 0.3023, 0.5505



36.2441, 0.1247, 0.2133



36.2441, 0.2833, 0.1875



36.2441, 0.5430, 0.3761

Rectangle

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



36.2441, 0.3023, 0.5505



36.2441, 0.1588, 0.3548



36.2441, 0.2833, 0.1875



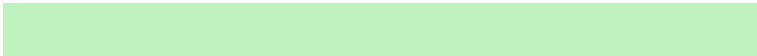
36.2441, 0.4841, 0.2791

Sweetspot

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



36.2456, 0.3023, 0.5505



78.5578, 0.3100, 0.3874



45.8448, 0.4058, 0.4830



17.0520, 0.3096, 0.3961



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.2456, 0.3023, 0.5505



64.2253, 0.3007, 0.5849



37.3400, 0.2693, 0.4441



10.0602, 0.3116, 0.3526



23.6263, 0.3000, 0.6000



0.8329, 0.3000, 0.5998

Inverse Universe

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



16.8085, 0.3200, 0.1762



26.7774, 0.3207, 0.1606



14.6457, 0.4232, 0.2468



9.1627, 0.3138, 0.3065



9.4059, 0.3210, 0.1542



0.3316, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.2441, 0.3023, 0.5505 looks on a white background.

Color Contrast Check

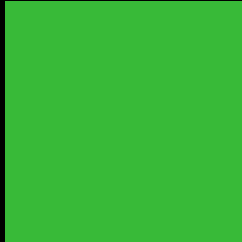
Large Text (above 18pt) WCAG AA × Fail

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 36.2441, 0.3023, 0.5505 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 36.2441, 0.3023, 0.5505

Background



This preview shows how black text looks on a background with the Yxy color 36.2441, 0.3023, 0.5505.



This preview shows how white text looks on a background with the Yxy color 36.2441, 0.3023, 0.5505.

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

36.2441, 0.3023, 0.5505

Protanopia

35.4148, 0.4250, 0.4685

Deuteranopia

35.4792, 0.4414, 0.4319



Tritanopia

36.1783, 0.2429, 0.3070

Trichromacy



Original Color

36.2441, 0.3023, 0.5505



Protanomaly

34.1483, 0.3693, 0.5047



Deuteranomaly

33.5763, 0.3794, 0.4790



Tritanomaly

35.3965, 0.2663, 0.3948

Monochromacy



Original Color

36.2441, 0.3023, 0.5505



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.3990, 0.3085, 0.4190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2441, 0.3023, 0.5505 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(56, 186, 56)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 56)  
}
```

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(56, 186, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 56) }
```

Border

The CSS property to change the border of an element to Yxy 36.2441, 0.3023, 0.5505 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(56, 186, 56) }
```

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

```
.border{ border-color:rgb(56, 186, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 56);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2441, 0.3023, 0.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 56) }
```

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

```
.background{ background-color: rgb(56, 186,  
56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor