

Converting Colors

Yxy(34.9056, 0.3168, 0.5058)

Have a look what the booklet for
Yxy(34.9056, 0.3168, 0.5058)
contains.

Yxy(35.1279, 0.3170, 0.5061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.1279, 0.3170, 0.5061)

Conversions

Conversions Part 1

Format	Color
Hex	5EB34B
RGB	94, 179, 75
RGB Percent	37%, 70%, 29%
CMY	0.6316, 0.2980, 0.7058
CMYK	0.48, 0.00, 0.58, 0.30
HSL	109°, 41%, 50%
HSV	109°, 58%, 70%
XYZ	22.0027, 35.1279, 12.2785
YIQ	141.7290, -17.2760, -50.3640

Conversions

Conversions Part 2

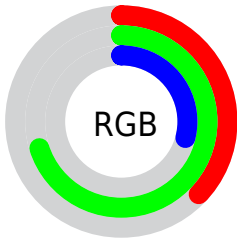
Format	Color
RYB	75, 179, 160
Decimal	6206283
CIELab	65.85, -45.79, 44.49
CIELCh	66, 63.843, 135.821
Yxy	35.1279, 0.3170, 0.5061
Android (android.graphics.Color)	4284396363 (0xFF5EB34B)
YUV	141.7290, -32.8974, -41.8583
Hunter-Lab	59.2688, -37.4549, 29.2053

Details

The Yxy color **35.1279, 0.3170, 0.5061** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.7691, 0.2950, 0.1849**, and the grayscale version is **27.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4330, 0.3198, 0.4676**, and **15.0652, 0.3078, 0.5698** is the 20% darker color. If you saturate the color by 10%, you get **34.2163, 0.3155, 0.5366**, and if you desaturate by 10%, it is **36.2583, 0.3176, 0.4730**.

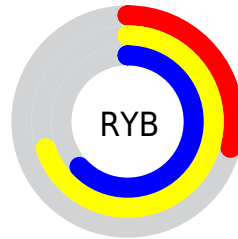
Distribution



Red (37%)

Green (70%)

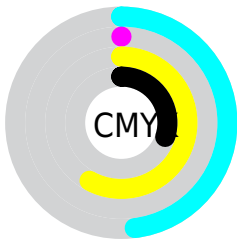
Blue (29%)



Red (29%)

Yellow (70%)

Blue (63%)

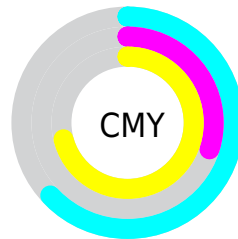


Cyan (48%)

Magenta (0%)

Yellow (58%)

Black (30%)



Cyan (63%)


Magenta (30%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1279, 0.3170, 0.5061 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 35.1279, 0.3170, 0.5061 by changing the saturation by 10% instead.


 35.1279, 0.3170,
0.5061


 35.1279, 0.3170,
0.5061


325.1325, 0.3199,
0.4076


 23.7614, 0.3137,
0.5334


 67.6839, 0.3197,
0.4681

 15.1567, 0.3076,
0.5696


 89.6421, 0.3202,
0.4545

 8.9295, 0.2957,
0.6189


 115.8998, 0.3204,
0.4432

 4.6952, 0.2829,
0.7164

 146.8412, 0.3205,
0.4338

 2.0696, 0.2099,
0.7901

 182.8508, 0.3204,
0.4258

 0.6474, 0.0000,
1.0000

224.3129, 0.3203,

 0.0000, 0.0000,

0.4189

0.0000

271.6120, 0.3201,
0.4129

■ 35.1279, 0.3170,
0.5061

■ 35.1279, 0.3170,
0.5061

■ 34.2163, 0.3155,
0.5366

■ 36.2583, 0.3176,
0.4730

■ 33.5046, 0.3130,
0.5624

■ 37.6158, 0.3175,
0.4394

■ 32.9783, 0.3099,
0.5814

■ 39.2139, 0.3168,
0.4069

■ 32.6158, 0.3065,
0.5934

■ 41.0637, 0.3156,
0.3766

■ 32.5610, 0.3060,
0.5953

■ 43.1754, 0.3141,
0.3491

■ 45.5589, 0.3124,
0.3246

■ 48.2233, 0.3106,
0.3029

■ 51.1776, 0.3089,
0.2839

■ 54.4302, 0.3072,
0.2673

Harmonies

Analogous

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



35.1279, 0.4057, 0.4968



35.1279, 0.3170, 0.5061



35.1279, 0.2318, 0.4351

Triad

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



35.1279, 0.3170, 0.5061



35.1279, 0.1636, 0.1972



35.1279, 0.4702, 0.3056

Complementary

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



35.1279, 0.3170, 0.5061



15.7691, 0.2950, 0.1849

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.



35.1279, 0.3825, 0.2478



35.1279, 0.3170, 0.5061



35.1279, 0.2065, 0.1881

Square

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



35.1279, 0.3170, 0.5061



35.1279, 0.1523, 0.2402



35.1279, 0.2827, 0.2063



35.1279, 0.5040, 0.3713

Rectangle

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



35.1279, 0.3170, 0.5061



35.1279, 0.1892, 0.3611



35.1279, 0.2827, 0.2063



35.1279, 0.4453, 0.2851

Sweetspot

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



35.1294, 0.3170, 0.5061



73.8238, 0.3154, 0.3743



35.2149, 0.4084, 0.4436



16.2008, 0.3157, 0.3800



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.1294, 0.3170, 0.5061



60.8427, 0.3148, 0.5452



34.8219, 0.2848, 0.4564



9.5621, 0.3143, 0.3523



23.0275, 0.3065, 0.5948



0.7468, 0.3240, 0.5809

Inverse Universe

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



15.7691, 0.2950, 0.1849



22.7829, 0.2891, 0.1598



16.6960, 0.3650, 0.2317



8.5669, 0.3109, 0.3064



6.6699, 0.2759, 0.1293



0.2302, 0.2892, 0.1367

Previews

White Background



This preview shows how the Yxy color 35.1279, 0.3170, 0.5061 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 35.1279, 0.3170, 0.5061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

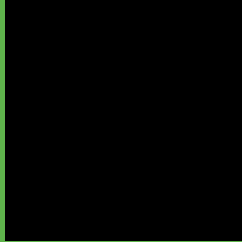
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1279, 0.3170, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 35.1279, 0.3170, 0.5061.



This preview shows how white text looks on a background with the Yxy color 35.1279, 0.3170, 0.5061.

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

35.1279, 0.3170, 0.5061

Protanopia

34.5731, 0.4114, 0.4501

Deuteranopia

34.3599, 0.4261, 0.4167



Tritanopia

34.9601, 0.2582, 0.3072

Trichromacy



Original Color

35.1279, 0.3170, 0.5061

Protanomaly

33.9304, 0.3732, 0.4723

Deuteranomaly

33.3380, 0.3815, 0.4495

Tritanomaly

34.6140, 0.2811, 0.3775

Monochromacy



Original Color

35.1279, 0.3170, 0.5061

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.1107, 0.3165, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1279, 0.3170, 0.5061 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(94, 179, 75)` looks like.

```
.text, #text, p{  
    color:rgb(94, 179, 75)  
}
```

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(94, 179, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 179, 75) }
```

Border

The CSS property to change the border of an element to Yxy 35.1279, 0.3170, 0.5061 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(94, 179, 75) }
```

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

```
.border{ border-color:rgb(94, 179, 75) }
```

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

Here you see how a box with a 4 pixel rgb(94, 179, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 179, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 179, 75);  
box-shadow:4px 4px 4px 4px rgb(94, 179,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1279, 0.3170, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 179, 75) }
```

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

```
.background{ background-color: rgb(94, 179,  
75) }
```

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