

Converting Colors

Yxy(34.8820, 0.3030, 0.5366)

Have a look what the booklet for
Yxy(34.8820, 0.3030, 0.5366)
contains.

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Color

Yxy(34.8715, 0.3030, 0.5370)

Conversions

Conversions Part 1

Format	Color
Hex	3FB63F
RGB	63, 182, 63
RGB Percent	25%, 71%, 25%
CMY	0.7528, 0.2863, 0.7531
CMYK	0.65, 0.00, 0.65, 0.29
HSL	120°, 49%, 48%
HSV	120°, 65%, 71%
XYZ	19.6761, 34.8715, 10.3900
YIQ	132.8530, -32.7250, -62.2370

Conversions

Conversions Part 2

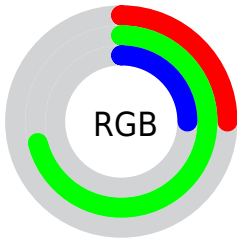
Format	Color
RYB	63, 182, 182
Decimal	4175423
CIELab	65.65, -56.15, 49.38
CIELCh	66, 74.776, 138.672
Yxy	34.8715, 0.3030, 0.5370
Android (android.graphics.Color)	4282365503 (0xFF3FB63F)
YUV	132.8530, -34.4375, -61.2611
Hunter-Lab	59.0521, -43.8652, 30.9046

Details

The Yxy color **34.8715, 0.3030, 0.5370** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.8630, 0.3195, 0.1827**, and the grayscale version is **23.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3539, 0.3098, 0.4912**, and **15.4383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.1986, 0.3017, 0.5646**, and if you desaturate by 10%, it is **35.8124, 0.3045, 0.5042**.

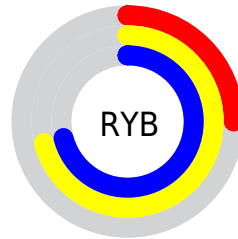
Distribution



Red (25%)

Green (71%)

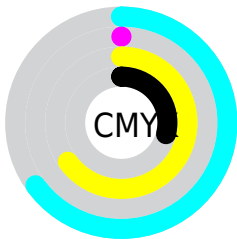
Blue (25%)



Red (25%)

Yellow (71%)

Blue (71%)

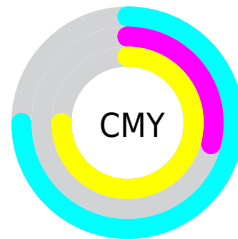


Cyan (65%)

Magenta (0%)

Yellow (65%)

Black (29%)



Cyan (75%)


Magenta (29%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8715, 0.3030, 0.5370 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 34.8715, 0.3030, 0.5370 by changing the saturation by 10% instead.


 34.8715, 0.3030,
0.5370


 34.8715, 0.3030,
0.5370


324.0008, 0.3152,
0.4202


 23.5639, 0.2964,
0.5695


 67.2867, 0.3098,
0.4918


 15.0104, 0.2855,
0.6122


 89.1630, 0.3116,
0.4756


 8.8267, 0.2662,
0.6697


 115.3311, 0.3128,
0.4623

 4.6283, 0.2357,
0.7643

 146.1752, 0.3136,
0.4511

 2.0309, 0.1196,
0.8804

 182.0799, 0.3142,
0.4416

 0.6253, 0.0000,
1.0000

223.4294, 0.3147,

 0.0000, 0.0000,

0.4335

0.0000

270.6083, 0.3150,
0.4264

■ 34.8715, 0.3030,
0.5370

■ 34.8715, 0.3030,
0.5370

■ 34.1986, 0.3017,
0.5646

■ 35.8124, 0.3045,
0.5042

■ 33.7620, 0.3007,
0.5847

■ 37.0403, 0.3062,
0.4689

■ 33.5294, 0.3002,
0.5963

■ 38.5779, 0.3078,
0.4336

■ 33.4572, 0.3000,
0.6000

■ 40.4440, 0.3094,
0.4001

■ 42.6562, 0.3108,
0.3695

■ 45.2306, 0.3121,
0.3423

■ 48.1827, 0.3132,
0.3185

■ 51.5266, 0.3142,
0.2979

■ 55.2760, 0.3150,
0.2801

Harmonies

Analogous

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



34.8715, 0.4043, 0.5255



34.8715, 0.3030, 0.5370



34.8715, 0.2092, 0.4437

Triad

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



34.8715, 0.3030, 0.5370



34.8715, 0.1476, 0.1765



34.8715, 0.5039, 0.3058

Complementary

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



34.8715, 0.3030, 0.5370



16.8630, 0.3195, 0.1827

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.



34.8715, 0.4047, 0.2414



34.8715, 0.3030, 0.5370



34.8715, 0.1977, 0.1708

Square

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



34.8715, 0.3030, 0.5370



34.8715, 0.1317, 0.2181



34.8715, 0.2869, 0.1936



34.8715, 0.5327, 0.3780

Rectangle

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



34.8715, 0.3030, 0.5370



34.8715, 0.1650, 0.3521



34.8715, 0.2869, 0.1936



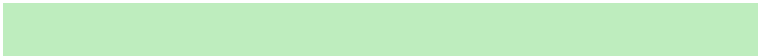
34.8715, 0.4768, 0.2832

Sweetspot

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



34.8730, 0.3030, 0.5370



75.2762, 0.3101, 0.3842



42.9530, 0.4033, 0.4745



16.3833, 0.3097, 0.3929



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.8730, 0.3030, 0.5370



61.6429, 0.3013, 0.5735



35.8799, 0.2715, 0.4388



10.0604, 0.3116, 0.3526



23.6269, 0.3000, 0.6000



0.8330, 0.3001, 0.5999

Inverse Universe

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



16.8630, 0.3195, 0.1827



26.6025, 0.3202, 0.1655



14.9628, 0.4088, 0.2473



9.1624, 0.3138, 0.3065



9.3973, 0.3207, 0.1541



0.3314, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 34.8715, 0.3030, 0.5370 looks on a white background.

Color Contrast Check

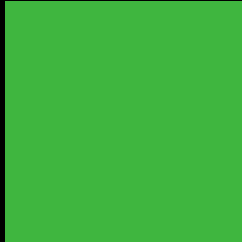
Large Text (above 18pt) WCAG AA × Fail

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 34.8715, 0.3030, 0.5370 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 34.8715, 0.3030, 0.5370

Background



This preview shows how black text looks on a background with the Yxy color 34.8715, 0.3030, 0.5370.



This preview shows how white text looks on a background with the Yxy color 34.8715, 0.3030, 0.5370.

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

34.8715, 0.3030, 0.5370

Protanopia

34.4289, 0.4199, 0.4627

Deuteranopia

34.3500, 0.4354, 0.4269



Tritanopia

34.5898, 0.2451, 0.3066

Trichromacy



Original Color

34.8715, 0.3030, 0.5370



Protanomaly

33.1874, 0.3685, 0.4940



Deuteranomaly

32.5662, 0.3781, 0.4699



Tritanomaly

34.0046, 0.2676, 0.3883

Monochromacy



Original Color

34.8715, 0.3030, 0.5370



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.4041, 0.3090, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8715, 0.3030, 0.5370 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(63, 182, 63)` looks like.

```
.text, #text, p{  
    color:rgb(63, 182, 63)  
}
```

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(63, 182, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 182, 63) }
```

Border

The CSS property to change the border of an element to Yxy 34.8715, 0.3030, 0.5370 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(63, 182, 63) }
```

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

```
.border{ border-color:rgb(63, 182, 63) }
```

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

Here you see how a box with a 4 pixel rgb(63, 182, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 182, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 182, 63);  
box-shadow:4px 4px 4px 4px rgb(63, 182,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8715, 0.3030, 0.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 182, 63) }
```

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

```
.background{ background-color: rgb(63, 182,  
63) }
```

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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