

Converting Colors

Yxy(30.0869, 0.3053, 0.4856)

Have a look what the booklet for
Yxy(30.0869, 0.3053, 0.4856)
contains.

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Color

$\text{Yxy}(30.1010, 0.3054, 0.4852)$

Conversions

Conversions Part 1

Format	Color
Hex	53A753
RGB	83, 167, 83
RGB Percent	33%, 65%, 33%
CMY	0.6745, 0.3451, 0.6746
CMYK	0.50, 0.00, 0.50, 0.35
HSL	120°, 34%, 49%
HSV	120°, 50%, 65%
XYZ	18.9465, 30.1010, 12.9908
YIQ	132.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

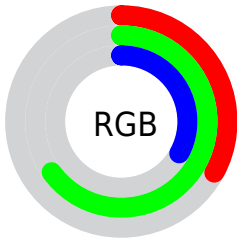
Format	Color
RYB	83, 167, 167
Decimal	5482323
CIELab	61.74, -43.01, 35.58
CIELCh	62, 55.820, 140.404
Yxy	30.1010, 0.3054, 0.4852
Android (android.graphics.Color)	4283672403 (0xFF53A753)
YUV	132.3080, -24.3088, -43.2431
Hunter-Lab	54.8644, -34.3706, 24.3663

Details

The Yxy color **30.1010, 0.3054, 0.4852** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.1880, 0.3183, 0.2104**, and the grayscale version is **23.2869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8999, 0.3095, 0.4503**, and **12.3096, 0.2945, 0.5479** is the 20% darker color. If you saturate the color by 10%, you get **29.2045, 0.3038, 0.5195**, and if you desaturate by 10%, it is **31.2450, 0.3071, 0.4499**.

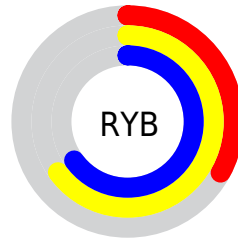
Distribution



Red (33%)

Green (65%)

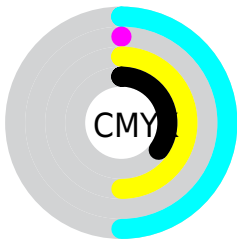
Blue (33%)



Red (33%)

Yellow (65%)

Blue (65%)

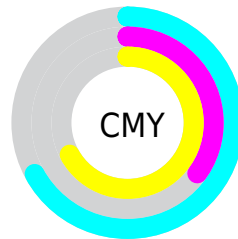


Cyan (50%)

Magenta (0%)

Yellow (50%)

Black (35%)



Cyan (67%)


Magenta (35%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1010, 0.3054, 0.4852 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 30.1010, 0.3054, 0.4852 by changing the saturation by 10% instead.


 30.1010, 0.3054,
0.4852


 30.1010, 0.3054,
0.4852


302.3750, 0.3131,
0.3960


 19.9153, 0.3014,
0.5114


 59.8219, 0.3096,
0.4499

 12.3335, 0.2945,
0.5474


 80.1258, 0.3107,
0.4375


 6.9712, 0.2817,
0.5989


 104.5712, 0.3115,
0.4274

 3.4441, 0.2670,
0.7057

 133.5426, 0.3120,
0.4190

 1.3677, 0.1194,
0.8806

 167.4242, 0.3124,
0.4119

 0.1928, 0.0000,
1.0000

206.6006, 0.3127,

 0.0000, 0.0000,

0.4059

0.0000

251.4560, 0.3130,
0.4006

■ 30.1010, 0.3054,
0.4852

■ 30.1010, 0.3054,
0.4852

■ 29.2045, 0.3038,
0.5195

■ 31.2450, 0.3071,
0.4499

■ 28.5339, 0.3024,
0.5501

■ 32.6489, 0.3087,
0.4156

■ 28.0700, 0.3012,
0.5745

■ 34.3287, 0.3102,
0.3837

■ 27.7891, 0.3004,
0.5908

■ 36.2979, 0.3115,
0.3550

■ 27.6393, 0.3000,
0.6000

■ 38.5694, 0.3127,
0.3297

■ 41.1551, 0.3137,
0.3077

■ 44.0664, 0.3146,
0.2887

■ 47.3140, 0.3154,
0.2724

■ 50.9081, 0.3160,
0.2584

Harmonies

Analogous

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



30.1010, 0.3892, 0.4899



30.1010, 0.3054, 0.4852



30.1010, 0.2281, 0.4111

Triad

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



30.1010, 0.3054, 0.4852



30.1010, 0.1772, 0.2028



30.1010, 0.4664, 0.3176

Complementary

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



30.1010, 0.3054, 0.4852



17.1880, 0.3183, 0.2104

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.



30.1010, 0.3915, 0.2610



30.1010, 0.3054, 0.4852



30.1010, 0.2229, 0.1979

Square

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



30.1010, 0.3054, 0.4852



30.1010, 0.1621, 0.2388



30.1010, 0.2987, 0.2187



30.1010, 0.4896, 0.3806

Rectangle

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



30.1010, 0.3054, 0.4852



30.1010, 0.1910, 0.3437



30.1010, 0.2987, 0.2187



30.1010, 0.4460, 0.2977

Sweetspot

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



30.1023, 0.3054, 0.4852



63.1881, 0.3109, 0.3689



35.9690, 0.3858, 0.4467



13.9827, 0.3106, 0.3747



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.1023, 0.3054, 0.4852



52.1932, 0.3037, 0.5220



30.9222, 0.2773, 0.4084



8.4078, 0.3116, 0.3523



21.1486, 0.3000, 0.6000



0.5146, 0.3000, 0.6000

Inverse Universe

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



17.1880, 0.3183, 0.2104



26.4742, 0.3192, 0.1903



15.9162, 0.3773, 0.2632



7.6666, 0.3138, 0.3067



8.4188, 0.3209, 0.1541



0.2049, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 30.1010, 0.3054, 0.4852 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 30.1010, 0.3054, 0.4852 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 30.1010, 0.3054, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 30.1010, 0.3054, 0.4852.



This preview shows how white text looks on a background with the Yxy color 30.1010, 0.3054, 0.4852.

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

30.1010, 0.3054, 0.4852

Protanopia

29.6081, 0.3997, 0.4345

Deuteranopia

29.7706, 0.4113, 0.4041



Tritanopia

29.8410, 0.2553, 0.3073

Trichromacy



Original Color

30.1010, 0.3054, 0.4852



Protanomaly

29.1581, 0.3608, 0.4550



Deuteranomaly

28.8411, 0.3673, 0.4331



Tritanomaly

29.7576, 0.2742, 0.3700

Monochromacy



Original Color

30.1010, 0.3054, 0.4852



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.0431, 0.3100, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1010, 0.3054, 0.4852 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(83, 167, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 167, 83)  
}
```

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(83, 167, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 167, 83) }
```

Border

The CSS property to change the border of an element to Yxy 30.1010, 0.3054, 0.4852 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(83, 167, 83) }
```

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

```
.border{ border-color:rgb(83, 167, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 167, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 167, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 167, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 167,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1010, 0.3054, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 167, 83) }
```

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

```
.background{ background-color: rgb(83, 167,  
83) }
```

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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