

Converting Colors

$Y_{xy}(30.2164, 0.3246, 0.5240)$

Have a look what the booklet for
Yxy(30.2164, 0.3246, 0.5240)
contains.

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Color

Yxy(30.3754, 0.3242, 0.5247)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 58A839 |
| RGB | 88, 168, 57 |
| RGB Percent | 35%, 66%, 22% |
| CMY | 0.6548, 0.3412, 0.7764 |
| CMYK | 0.48, 0.00, 0.66, 0.34 |
| HSL | 103°, 49%, 44% |
| HSV | 103°, 66%, 66% |
| XYZ | 18.7683, 30.3754, 8.7473 |
| YIQ | 131.4260, -12.0490, -51.4810 |

Conversions

Conversions Part 2

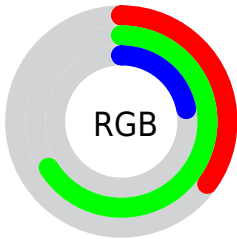
| Format | Color |
|-------------------------------------|--|
| RYB | 57, 168, 137 |
| Decimal | 5810233 |
| CIELab | 61.98, -44.95, 48.14 |
| CIELCh | 62, 65.864, 133.033 |
| Yxy | 30.3754, 0.3242, 0.5247 |
| Android (android.graphics.Color) | 4284000313 (0xFF58A839) |
| YUV | 131.4260, -36.6920, -38.0846 |
| Hunter-Lab | 55.1139, -35.6636, 29.1696 |

Details

The Yxy color **30.3754, 0.3242, 0.5247** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.0732, 0.2767, 0.1626**, and the grayscale version is **22.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3447, 0.3268, 0.4819**, and **12.4945, 0.3114, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **29.6930, 0.3221, 0.5509**, and if you desaturate by 10%, it is **31.2140, 0.3249, 0.4946**.

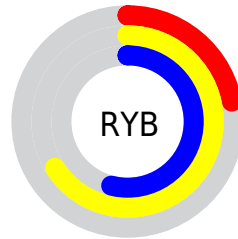
Distribution



Red (35%)

Green (66%)

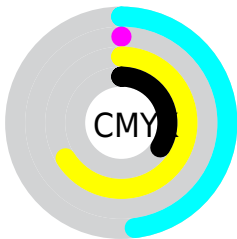
Blue (22%)



Red (22%)

Yellow (66%)

Blue (54%)

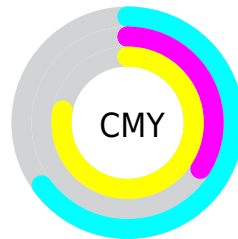


Cyan (48%)

Magenta (0%)

Yellow (66%)

Black (34%)



Cyan (65%)


Magenta (34%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3754, 0.3242, 0.5247 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 30.3754, 0.3242, 0.5247 by changing the saturation by 10% instead.


 30.3754, 0.3242,
0.5247


 30.3754, 0.3242,
0.5247


 303.6504, 0.3247,
0.4140


 20.1237, 0.3205,
0.5557


 60.2553, 0.3266,
0.4817


 12.4850, 0.3128,
0.5967


 80.6524, 0.3268,
0.4663

 7.0749, 0.2989,
0.6559


 105.2000, 0.3267,
0.4537

 3.5090, 0.2662,
0.7338

 134.2826, 0.3264,
0.4431

 1.4029, 0.1041,
0.8959

 168.2845, 0.3260,
0.4341

 0.2188, 0.0000,
1.0000

 207.5902, 0.3256,

 0.0000, 0.0000,

0.4265

0.0000

252.5840, 0.3251,
0.4198

■ 30.3754, 0.3242,
0.5247

■ 30.3754, 0.3242,
0.5247

■ 29.6930, 0.3221,
0.5509

■ 31.2140, 0.3249,
0.4946

■ 29.1523, 0.3188,
0.5714

■ 32.2144, 0.3243,
0.4626

■ 28.7418, 0.3144,
0.5853

■ 33.3864, 0.3228,
0.4304

■ 28.6078, 0.3128,
0.5898

■ 34.7381, 0.3205,
0.3993

■ 36.2768, 0.3177,
0.3703

■ 38.0097, 0.3146,
0.3438

■ 39.9434, 0.3115,
0.3199

■ 42.0841, 0.3083,
0.2987

■ 44.4379, 0.3052,
0.2800

Harmonies

Analogous

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



30.3754, 0.4180, 0.5037



30.3754, 0.3242, 0.5247



30.3754, 0.2323, 0.4555

Triad

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



30.3754, 0.3242, 0.5247



30.3754, 0.1519, 0.1906



30.3754, 0.4761, 0.2966

Complementary

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



30.3754, 0.3242, 0.5247



11.0732, 0.2767, 0.1626

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.



30.3754, 0.3774, 0.2371



30.3754, 0.3242, 0.5247



30.3754, 0.1935, 0.1788

Square

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



30.3754, 0.3242, 0.5247



30.3754, 0.1428, 0.2390



30.3754, 0.2709, 0.1956



30.3754, 0.5181, 0.3648

Rectangle

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



30.3754, 0.3242, 0.5247



30.3754, 0.1852, 0.3745



30.3754, 0.2709, 0.1956



30.3754, 0.4475, 0.2754

Sweetspot

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



30.3767, 0.3242, 0.5247



64.5849, 0.3189, 0.3825



26.3856, 0.4312, 0.4415



13.9145, 0.3197, 0.3903



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.



30.3767, 0.3242, 0.5247



53.4215, 0.3208, 0.5607



29.4705, 0.2900, 0.4976



8.5054, 0.3156, 0.3520



21.6266, 0.3134, 0.5893



0.5513, 0.3391, 0.5689

Inverse Universe

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



11.0732, 0.2767, 0.1626



15.7343, 0.2660, 0.1369



13.2655, 0.3558, 0.2084



7.5597, 0.3095, 0.3064



5.2345, 0.2524, 0.1164



0.1510, 0.2762, 0.1295

Previews

White Background



This preview shows how the Yxy color 30.3754, 0.3242, 0.5247 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 30.3754, 0.3242, 0.5247 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 30.3754, 0.3242, 0.5247

Background



This preview shows how black text looks on a background with the Yxy color 30.3754, 0.3242, 0.5247.



This preview shows how white text looks on a background with the Yxy color 30.3754, 0.3242, 0.5247.

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

30.3754, 0.3242, 0.5247

Protanopia

29.8498, 0.4199, 0.4626

Deuteranopia

29.9297, 0.4366, 0.4295



Tritanopia

30.2044, 0.2596, 0.3075

Trichromacy



Original Color

30.3754, 0.3242, 0.5247

Protanomaly

29.4465, 0.3811, 0.4872

Deuteranomaly

28.8817, 0.3914, 0.4641

Tritanomaly

29.8414, 0.2856, 0.3861

Monochromacy



Original Color

30.3754, 0.3242, 0.5247

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.5908, 0.3206, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3754, 0.3242, 0.5247 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(88, 168, 57)` looks like.

```
.text, #text, p{  
    color:rgb(88, 168, 57)  
}
```

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(88, 168, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 168, 57) }
```

Border

The CSS property to change the border of an element to Yxy 30.3754, 0.3242, 0.5247 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(88, 168, 57) }
```

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

```
.border{ border-color:rgb(88, 168, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 168, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 168, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 168, 57);  
box-shadow:4px 4px 4px 4px rgb(88, 168,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3754, 0.3242, 0.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 168, 57) }
```

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

```
.background{ background-color: rgb(88, 168,  
57) }
```

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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