

Converting Colors

$Yxy(33.7822, 0.3264, 0.5412)$

Have a look what the booklet for
Yxy(33.7822, 0.3264, 0.5412)
contains.

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Color

Yxy(33.7815, 0.3265, 0.5414)

Conversions

Conversions Part 1

Format	Color
Hex	59B130
RGB	89, 177, 48
RGB Percent	35%, 69%, 19%
CMY	0.6511, 0.3058, 0.8118
CMYK	0.50, 0.00, 0.73, 0.31
HSL	101°, 57%, 44%
HSV	101°, 73%, 69%
XYZ	20.3725, 33.7815, 8.2426
YIQ	135.9820, -11.0390, -58.7750

Conversions

Conversions Part 2

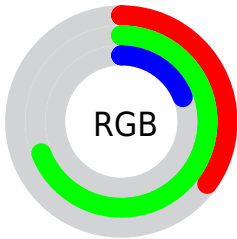
Format	Color
RYB	48, 177, 136
Decimal	5878064
CIELab	64.79, -49.00, 54.69
CIELCh	65, 73.425, 131.860
Yxy	33.7815, 0.3265, 0.5414
Android (android.graphics.Color)	4284068144 (0xFF59B130)
YUV	135.9820, -43.3751, -41.2032
Hunter-Lab	58.1219, -39.1466, 32.2771

Details

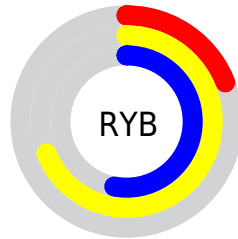
The Yxy color **33.7815, 0.3265, 0.5414** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.5270, 0.2649, 0.1456**, and the grayscale version is **24.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3481, 0.3296, 0.4964**, and **14.3481, 0.3078, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **33.1157, 0.3235, 0.5635**, and if you desaturate by 10%, it is **34.6066, 0.3279, 0.5142**.

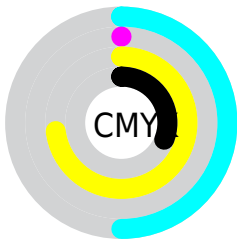
Distribution



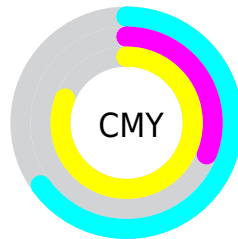
- Red (35%)
- Green (69%)
- Blue (19%)



- Red (19%)
- Yellow (69%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (73%)
- Black (31%)





- Cyan (65%)
- Magenta (31%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7815, 0.3265, 0.5414 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 33.7815, 0.3265, 0.5414 by changing the saturation by 10% instead.

 33.7815, 0.3265,
0.5414


 33.7815, 0.3265,
0.5414


319.1567, 0.3274,
0.4236


 22.7258, 0.3221,
0.5730


 65.5937, 0.3295,
0.4965


 14.3912, 0.3134,
0.6136


 87.1191, 0.3298,
0.4801


 8.3932, 0.2986,
0.6718


 112.9030, 0.3297,
0.4666

 4.3476, 0.2629,
0.7371

 143.3301, 0.3294,
0.4552

 1.8698, 0.1614,
0.8386

 178.7846, 0.3289,
0.4455

 0.5301, 0.0000,
1.0000

 219.6509, 0.3284,

 0.0000, 0.0000,

0.4372

0.0000

266.3135, 0.3279,
0.4299

■ 33.7815, 0.3265,
0.5414

■ 33.7815, 0.3265,
0.5414

■ 33.1157, 0.3235,
0.5635

■ 34.6066, 0.3279,
0.5142

■ 32.5926, 0.3192,
0.5793

■ 35.5972, 0.3279,
0.4837

■ 32.2942, 0.3159,
0.5874

■ 36.7645, 0.3265,
0.4519

■ 38.1173, 0.3241,
0.4202

■ 39.6636, 0.3210,
0.3898

■ 41.4111, 0.3175,
0.3616

■ 43.3670, 0.3138,
0.3359

■ 45.5383, 0.3100,
0.3128

■ 47.9313, 0.3063,
0.2923

Harmonies

Analogous

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



33.7815, 0.4255, 0.5113



33.7815, 0.3265, 0.5414



33.7815, 0.2290, 0.4713

Triad

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



33.7815, 0.3265, 0.5414



33.7815, 0.1421, 0.1833



33.7815, 0.4850, 0.2907

Complementary

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



33.7815, 0.3265, 0.5414



10.5270, 0.2649, 0.1456

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.



33.7815, 0.3769, 0.2293



33.7815, 0.3265, 0.5414



33.7815, 0.1838, 0.1703

Square

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



33.7815, 0.3265, 0.5414



33.7815, 0.1337, 0.2348



33.7815, 0.2636, 0.1869



33.7815, 0.5317, 0.3612

Rectangle

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



33.7815, 0.3265, 0.5414



33.7815, 0.1788, 0.3827



33.7815, 0.2636, 0.1869



33.7815, 0.4534, 0.2688

Sweetspot

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



33.7829, 0.3265, 0.5414



71.1782, 0.3209, 0.3884



26.6134, 0.4509, 0.4413



15.2593, 0.3217, 0.3961



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.7829, 0.3265, 0.5414



58.7476, 0.3213, 0.5732



32.5120, 0.2928, 0.5279



9.6167, 0.3162, 0.3522



23.4249, 0.3166, 0.5868



0.7691, 0.3398, 0.5684

Inverse Universe

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



10.5270, 0.2649, 0.1456



14.7241, 0.2517, 0.1218



13.8457, 0.3514, 0.1934



8.5088, 0.3089, 0.3062



5.2684, 0.2432, 0.1113



0.1953, 0.2657, 0.1237

Previews

White Background



This preview shows how the Yxy color 33.7815, 0.3265, 0.5414 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 33.7815, 0.3265, 0.5414 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 33.7815, 0.3265, 0.5414

Background



This preview shows how black text looks on a background with the Yxy color 33.7815, 0.3265, 0.5414.



This preview shows how white text looks on a background with the Yxy color 33.7815, 0.3265, 0.5414.

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

33.7815, 0.3265, 0.5414

Protanopia

33.4023, 0.4267, 0.4723

Deuteranopia

33.0977, 0.4475, 0.4371



Tritanopia

33.5694, 0.2588, 0.3084

Trichromacy



Original Color

33.7815, 0.3265, 0.5414



Protanomaly

32.6697, 0.3862, 0.4997



Deuteranomaly

32.1400, 0.3979, 0.4773



Tritanomaly

32.9577, 0.2873, 0.3946

Monochromacy



Original Color

33.7815, 0.3265, 0.5414



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.0546, 0.3236, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7815, 0.3265, 0.5414 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(89, 177, 48)` looks like.

```
.text, #text, p{  
    color:rgb(89, 177, 48)  
}
```

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(89, 177, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 177, 48) }
```

Border

The CSS property to change the border of an element to Yxy 33.7815, 0.3265, 0.5414 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(89, 177, 48) }
```

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

```
.border{ border-color:rgb(89, 177, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 177, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 177, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 177, 48);  
box-shadow:4px 4px 4px 4px rgb(89, 177,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7815, 0.3265, 0.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 177, 48) }
```

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

```
.background{ background-color: rgb(89, 177,  
48) }
```

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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