

Converting Colors

Yxy(33.0856, 0.3216, 0.5256)

Have a look what the booklet for
Yxy(33.0856, 0.3216, 0.5256)
contains.

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Color

Yxy(33.1100, 0.3218, 0.5258)

Conversions

Conversions Part 1

Format	Color
Hex	59AF3C
RGB	89, 175, 60
RGB Percent	35%, 69%, 24%
CMY	0.6510, 0.3137, 0.7647
CMYK	0.49, 0.00, 0.66, 0.31
HSL	105°, 49%, 46%
HSV	105°, 66%, 69%
XYZ	20.2640, 33.1100, 9.5967
YIQ	136.1760, -14.3410, -53.9970

Conversions

Conversions Part 2

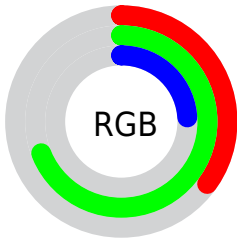
Format	Color
RYB	60, 175, 146
Decimal	5877564
CIELab	64.25, -47.21, 49.36
CIELCh	64, 68.297, 133.725
Yxy	33.1100, 0.3218, 0.5258
Android (android.graphics.Color)	4284067644 (0xFF59AF3C)
YUV	136.1760, -37.5548, -41.3734
Hunter-Lab	57.5413, -37.8360, 30.3905

Details

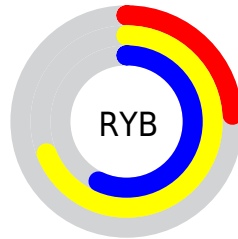
The Yxy color **33.1100, 0.3218, 0.5258** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.4394, 0.2810, 0.1648**, and the grayscale version is **24.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3414, 0.3247, 0.4838**, and **14.1387, 0.3095, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **32.3651, 0.3197, 0.5524**, and if you desaturate by 10%, it is **34.0341, 0.3227, 0.4952**.

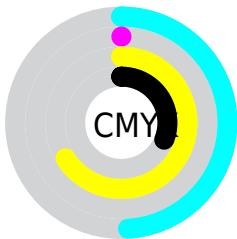
Distribution



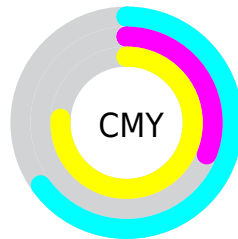
- Red (35%)
- Green (69%)
- Blue (24%)



- Red (24%)
- Yellow (69%)
- Blue (57%)



- Cyan (49%)
- Magenta (0%)
- Yellow (66%)
- Black (31%)





- Cyan (65%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1100, 0.3218, 0.5258 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 33.1100, 0.3218, 0.5258 by changing the saturation by 10% instead.


 33.1100, 0.3218,
0.5258


 33.1100, 0.3218,
0.5258


316.1451, 0.3237,
0.4157


 22.2107, 0.3179,
0.5561


 64.5472, 0.3247,
0.4834

 14.0118, 0.3103,
0.5959


 85.8540, 0.3251,
0.4681

 8.1289, 0.2956,
0.6502


 111.3987, 0.3251,
0.4555

 4.1775, 0.2682,
0.7318

 141.5657, 0.3249,
0.4449

 1.7734, 0.1637,
0.8363

 176.7395, 0.3247,
0.4360

 0.4705, 0.0000,
1.0000

217.3043, 0.3244,

 0.0000, 0.0000,

0.4283

0.0000

263.6448, 0.3240,
0.4216

■ 33.1100, 0.3218,
0.5258

■ 33.1100, 0.3218,
0.5258

■ 32.3651, 0.3197,
0.5524

■ 34.0341, 0.3227,
0.4952

■ 31.7827, 0.3164,
0.5731

■ 35.1442, 0.3224,
0.4627

■ 31.3495, 0.3122,
0.5870

■ 36.4520, 0.3212,
0.4301

■ 31.2001, 0.3105,
0.5917

■ 37.9666, 0.3193,
0.3988

■ 39.6970, 0.3169,
0.3695

■ 41.6512, 0.3143,
0.3430

■ 43.8372, 0.3115,
0.3191

■ 46.2622, 0.3087,
0.2980

■ 48.9334, 0.3060,
0.2794

Harmonies

Analogous

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



33.1100, 0.4164, 0.5059



33.1100, 0.3218, 0.5258



33.1100, 0.2297, 0.4540

Triad

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



33.1100, 0.3218, 0.5258



33.1100, 0.1516, 0.1891



33.1100, 0.4791, 0.2978

Complementary

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



33.1100, 0.3218, 0.5258



12.4394, 0.2810, 0.1648

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.



33.1100, 0.3804, 0.2378



33.1100, 0.3218, 0.5258



33.1100, 0.1941, 0.1780

Square

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



33.1100, 0.3218, 0.5258



33.1100, 0.1417, 0.2366



33.1100, 0.2728, 0.1955



33.1100, 0.5196, 0.3664

Rectangle

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



33.1100, 0.3218, 0.5258



33.1100, 0.1830, 0.3719



33.1100, 0.2728, 0.1955



33.1100, 0.4506, 0.2764

Sweetspot

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



33.1114, 0.3218, 0.5258



69.6075, 0.3181, 0.3828



29.4895, 0.4291, 0.4436



15.2838, 0.3187, 0.3909



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.



33.1114, 0.3218, 0.5258



57.4406, 0.3183, 0.5628



32.3081, 0.2889, 0.4937



9.0333, 0.3153, 0.3522



22.3671, 0.3112, 0.5911



0.6481, 0.3340, 0.5730

Inverse Universe

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



12.4394, 0.2810, 0.1648



17.5456, 0.2711, 0.1394



14.4894, 0.3587, 0.2108



8.0449, 0.3099, 0.3064



5.6962, 0.2589, 0.1200



0.1824, 0.2787, 0.1309

Previews

White Background



This preview shows how the Yxy color 33.1100, 0.3218, 0.5258 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 33.1100, 0.3218, 0.5258 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 33.1100, 0.3218, 0.5258

Background



This preview shows how black text looks on a background with the Yxy color 33.1100, 0.3218, 0.5258.



This preview shows how white text looks on a background with the Yxy color 33.1100, 0.3218, 0.5258.

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

33.1100, 0.3218, 0.5258

Protanopia

32.5933, 0.4205, 0.4627

Deuteranopia

32.5036, 0.4380, 0.4282



Tritanopia

33.0402, 0.2579, 0.3082

Trichromacy



Original Color

33.1100, 0.3218, 0.5258

Protanomaly

31.8770, 0.3799, 0.4885

Deuteranomaly

31.4759, 0.3913, 0.4638

Tritanomaly

32.5513, 0.2834, 0.3879

Monochromacy



Original Color

33.1100, 0.3218, 0.5258

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.8173, 0.3202, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1100, 0.3218, 0.5258 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, 175, 60)` looks like.

```
.text, #text, p{  
    color:rgb(89, 175, 60)  
}
```

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, 175, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 175, 60) }
```

Border

The CSS property to change the border of an element to Yxy 33.1100, 0.3218, 0.5258 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, 175, 60) }
```

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

```
.border{ border-color:rgb(89, 175, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 175, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 175, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 175, 60);  
box-shadow:4px 4px 4px 4px rgb(89, 175,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1100, 0.3218, 0.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 175, 60) }
```

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

```
.background{ background-color: rgb(89, 175,  
60) }
```

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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