

Converting Colors

$Y_{xy}(20.3558, 0.2942, 0.4867)$

Have a look what the booklet for
Yxy(20.3558, 0.2942, 0.4867)
contains.

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Color

Yxy(20.3454, 0.2935, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	388D47
RGB	56, 141, 71
RGB Percent	22%, 55%, 28%
CMY	0.7805, 0.4470, 0.7215
CMYK	0.60, 0.00, 0.50, 0.45
HSL	131°, 43%, 39%
HSV	131°, 60%, 55%
XYZ	12.2918, 20.3454, 9.2430
YIQ	107.6050, -28.1900, -39.7900

Conversions

Conversions Part 2

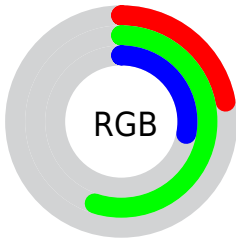
Format	Color
RYB	56, 128, 141
Decimal	3706183
CIELab	52.23, -41.23, 29.73
CIElCh	52, 50.828, 144.201
Yxy	20.3454, 0.2935, 0.4858
Android (android.graphics.Color)	4281896263 (0xFF388D47)
YUV	107.6050, -18.0463, -45.2576
Hunter-Lab	45.1059, -30.2921, 19.4246

Details

The Yxy color **20.3454, 0.2935, 0.4858** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9929, 0.3442, 0.2128**, and the grayscale version is **14.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7902, 0.3003, 0.4455**, and **7.3783, 0.2876, 0.5553** is the 20% darker color. If you saturate the color by 10%, you get **19.8608, 0.2923, 0.5149**, and if you desaturate by 10%, it is **20.9746, 0.2956, 0.4558**.

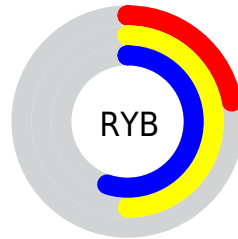
Distribution



Red (22%)

Green (55%)

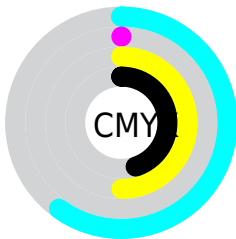
Blue (28%)



Red (22%)

Yellow (50%)

Blue (55%)

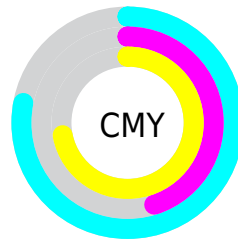


Cyan (60%)

Magenta (0%)

Yellow (50%)

Black (45%)



Cyan (78%)


Magenta (45%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3454, 0.2935, 0.4858 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 20.3454, 0.2935, 0.4858 by changing the saturation by 10% instead.


 20.3454, 0.2935,
0.4858


 20.3454, 0.2935,
0.4858


253.7789, 0.3081,
0.3908


 12.6464, 0.2868,
0.5169


 43.9955, 0.3006,
0.4463

 7.1855, 0.2754,
0.5623


 60.7154, 0.3027,
0.4331


 3.5784, 0.2554,
0.6376

 81.2110, 0.3042,
0.4225

 1.4406, 0.1627,
0.8373

 105.8667, 0.3054,
0.4138

 0.2464, 0.0000,
1.0000

 135.0670, 0.3063,
0.4066

 0.0000, 0.0000,
0.0000

169.1962, 0.3070,

0.4006

208.6387, 0.3076,
0.3954

■ 20.3454, 0.2935,
0.4858

■ 20.3454, 0.2935,
0.4858

■ 19.8608, 0.2923,
0.5149

■ 20.9746, 0.2956,
0.4558

■ 19.5068, 0.2923,
0.5415

■ 21.7560, 0.2984,
0.4264

■ 19.2707, 0.2933,
0.5640

■ 22.6999, 0.3017,
0.3986

■ 19.1215, 0.2947,
0.5809

■ 23.8147, 0.3053,
0.3730

■ 25.1085, 0.3090,
0.3500

■ 26.5886, 0.3126,
0.3296

■ 28.2621, 0.3161,
0.3116

■ 30.1356, 0.3195,
0.2960

■ 32.2155, 0.3226,
0.2824

Harmonies

Analogous

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



20.3454, 0.3803, 0.4989



20.3454, 0.2935, 0.4858



20.3454, 0.2165, 0.4013

Triad

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



20.3454, 0.2935, 0.4858



20.3454, 0.1773, 0.1967



20.3454, 0.4786, 0.3245

Complementary

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



20.3454, 0.2935, 0.4858



9.9929, 0.3442, 0.2128

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.



20.3454, 0.4061, 0.2654



20.3454, 0.2935, 0.4858



20.3454, 0.2281, 0.1954

Square

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



20.3454, 0.2935, 0.4858



20.3454, 0.1579, 0.2287



20.3454, 0.3097, 0.2198



20.3454, 0.4943, 0.3895

Rectangle

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



20.3454, 0.2935, 0.4858



20.3454, 0.1815, 0.3310



20.3454, 0.3097, 0.2198



20.3454, 0.4597, 0.3039

Sweetspot

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



20.3462, 0.2935, 0.4858



43.0655, 0.3060, 0.3684



23.8357, 0.3783, 0.4754



9.4927, 0.3051, 0.3747



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.3462, 0.2935, 0.4858



35.3349, 0.2922, 0.5239



21.0757, 0.2612, 0.3900



6.0440, 0.3094, 0.3476



17.4355, 0.2945, 0.5803



0.1690, 0.2773, 0.5181

Inverse Universe

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



9.9929, 0.3442, 0.2128



15.0895, 0.3530, 0.1956



9.1328, 0.4295, 0.2800



5.4949, 0.3162, 0.3111



6.3160, 0.3700, 0.1812



0.0632, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 20.3454, 0.2935, 0.4858 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3454, 0.2935, 0.4858 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3454, 0.2935, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 20.3454, 0.2935, 0.4858.



This preview shows how white text looks on a background with the Yxy color 20.3454, 0.2935, 0.4858.

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

20.3454, 0.2935, 0.4858

Protanopia

20.1153, 0.3974, 0.4326

Deuteranopia

19.9767, 0.4065, 0.3981



Tritanopia

20.2845, 0.2471, 0.3071

Trichromacy



Original Color

20.3454, 0.2935, 0.4858

Protanomaly

19.5587, 0.3528, 0.4546

Deuteranomaly

19.1427, 0.3573, 0.4293

Tritanomaly

20.1216, 0.2643, 0.3694

Monochromacy



Original Color

20.3454, 0.2935, 0.4858

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.3830, 0.3029, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3454, 0.2935, 0.4858 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(56, 141, 71)` looks like.

```
.text, #text, p{  
    color:rgb(56, 141, 71)  
}
```

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(56, 141, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 141, 71) }
```

Border

The CSS property to change the border of an element to Yxy 20.3454, 0.2935, 0.4858 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(56, 141, 71) }
```

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

```
.border{ border-color:rgb(56, 141, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 141, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 141, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 141, 71);  
box-shadow:4px 4px 4px 4px rgb(56, 141,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3454, 0.2935, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 141, 71) }
```

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

```
.background{ background-color: rgb(56, 141,  
71) }
```

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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