

Converting Colors

$Y_{xy}(32.3094, 0.2985, 0.4738)$

Have a look what the booklet for
Yxy(32.3094, 0.2985, 0.4738)
contains.

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Color

Yxy(32.5165, 0.2988, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	53AD5D
RGB	83, 173, 93
RGB Percent	33%, 68%, 36%
CMY	0.6746, 0.3215, 0.6352
CMYK	0.52, 0.00, 0.46, 0.32
HSL	127°, 35%, 50%
HSV	127°, 52%, 68%
XYZ	20.4848, 32.5165, 15.5555
YIQ	136.9700, -27.9600, -43.9600

Conversions

Conversions Part 2

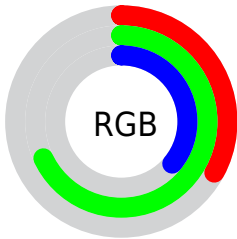
Format	Color
RYB	83, 164, 173
Decimal	5483869
CIELab	63.77, -44.05, 32.98
CIELCh	64, 55.023, 143.179
Yxy	32.5165, 0.2988, 0.4743
Android (android.graphics.Color)	4283673949 (0xFF53AD5D)
YUV	136.9700, -21.6772, -47.3317
Hunter-Lab	57.0232, -35.6671, 23.7424

Details

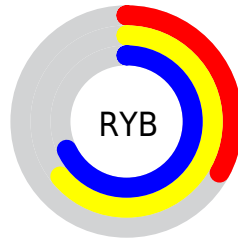
The Yxy color **32.5165, 0.2988, 0.4743** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.7091, 0.3314, 0.2179**, and the grayscale version is **25.0936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5719, 0.3038, 0.4412**, and **13.7532, 0.2879, 0.5323** is the 20% darker color. If you saturate the color by 10%, you get **31.5815, 0.2971, 0.5063**, and if you desaturate by 10%, it is **33.7053, 0.3011, 0.4420**.

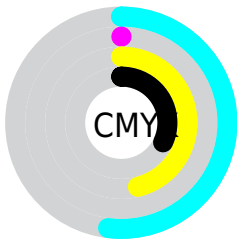
Distribution



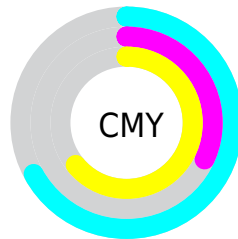
- Red (33%)
- Green (68%)
- Blue (36%)



- Red (33%)
- Yellow (64%)
- Blue (68%)



- Cyan (52%)
- Magenta (0%)
- Yellow (46%)
- Black (32%)





- Cyan (67%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5165, 0.2988, 0.4743 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 32.5165, 0.2988, 0.4743 by changing the saturation by 10% instead.


 32.5165, 0.2988,
0.4743


 32.5165, 0.2988,
0.4743


313.4654, 0.3094,
0.3922

 21.7563, 0.2944,
0.4982


 63.6199, 0.3038,
0.4420


 13.6780, 0.2875,
0.5308


 84.7320, 0.3053,
0.4307

 7.8970, 0.2755,
0.5777


 110.0634, 0.3065,
0.4213

 4.0291, 0.2551,
0.6541

 139.9986, 0.3073,
0.4136

 1.6899, 0.1810,
0.8190

174.9220, 0.3080,
0.4070

 0.4171, 0.0000,
1.0000

215.2180, 0.3086,

 0.0000, 0.0000,

0.4014

0.0000

261.2710, 0.3091,
0.3965

■ 32.5165, 0.2988,
0.4743

■ 32.5165, 0.2988,
0.4743

■ 31.5815, 0.2971,
0.5063

■ 33.7053, 0.3011,
0.4420

■ 30.8780, 0.2962,
0.5361

■ 35.1602, 0.3037,
0.4110

■ 30.3866, 0.2961,
0.5616

■ 36.8975, 0.3065,
0.3823

■ 30.0831, 0.2969,
0.5809

■ 38.9311, 0.3094,
0.3563

■ 29.9379, 0.2976,
0.5915

■ 41.2739, 0.3122,
0.3333

■ 43.9383, 0.3148,
0.3132

■ 46.9355, 0.3173,
0.2957

■ 50.2768, 0.3196,
0.2806

■ 53.9724, 0.3217,
0.2676

Harmonies

Analogous

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



32.5165, 0.3801, 0.4861



32.5165, 0.2988, 0.4743



32.5165, 0.2256, 0.3990

Triad

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



32.5165, 0.2988, 0.4743



32.5165, 0.1843, 0.2054



32.5165, 0.4649, 0.3241

Complementary

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



32.5165, 0.2988, 0.4743



17.7091, 0.3314, 0.2179

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.



32.5165, 0.3965, 0.2680



32.5165, 0.2988, 0.4743



32.5165, 0.2317, 0.2029

Square

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



32.5165, 0.2988, 0.4743



32.5165, 0.1669, 0.2376



32.5165, 0.3074, 0.2253



32.5165, 0.4825, 0.3857

Rectangle

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



32.5165, 0.2988, 0.4743



32.5165, 0.1915, 0.3348



32.5165, 0.3074, 0.2253



32.5165, 0.4468, 0.3044

Sweetspot

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



32.5179, 0.2988, 0.4743



68.1092, 0.3082, 0.3670



38.4067, 0.3781, 0.4565



14.6456, 0.3076, 0.3721



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.5179, 0.2988, 0.4743



56.4063, 0.2970, 0.5096



33.5331, 0.2693, 0.3923



8.9534, 0.3101, 0.3498



21.9964, 0.2973, 0.5904



0.6164, 0.2874, 0.5546

Inverse Universe

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



17.7091, 0.3314, 0.2179



27.0483, 0.3362, 0.1993



16.3977, 0.3981, 0.2760



8.1324, 0.3154, 0.3091



8.2385, 0.3507, 0.1706



0.2335, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 32.5165, 0.2988, 0.4743 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 32.5165, 0.2988, 0.4743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

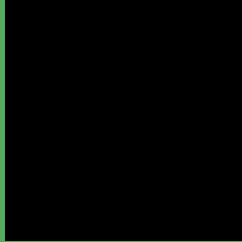
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5165, 0.2988, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 32.5165, 0.2988, 0.4743.



This preview shows how white text looks on a background with the Yxy color 32.5165, 0.2988, 0.4743.

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

32.5165, 0.2988, 0.4743

Protanopia

32.2181, 0.3932, 0.4280

Deuteranopia

32.0826, 0.4034, 0.3958



Tritanopia

32.5500, 0.2525, 0.3079

Trichromacy



Original Color

32.5165, 0.2988, 0.4743



Protanomaly

31.6143, 0.3531, 0.4460



Deuteranomaly

30.9359, 0.3593, 0.4233



Tritanomaly

32.1457, 0.2696, 0.3652

Monochromacy



Original Color

32.5165, 0.2988, 0.4743



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.9751, 0.3063, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5165, 0.2988, 0.4743 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, 173, 93)` looks like.

```
.text, #text, p{  
    color:rgb(83, 173, 93)  
}
```

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, 173, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 173, 93) }
```

Border

The CSS property to change the border of an element to Yxy 32.5165, 0.2988, 0.4743 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, 173, 93) }
```

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

```
.border{ border-color:rgb(83, 173, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 173, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 173, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 173, 93);  
box-shadow:4px 4px 4px 4px rgb(83, 173,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5165, 0.2988, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 173, 93) }
```

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

```
.background{ background-color: rgb(83, 173,  
93) }
```

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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