

Converting Colors

Yxy(33.2514, 0.2942, 0.4624)

Have a look what the booklet for
Yxy(33.2514, 0.2942, 0.4624)
contains.

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Color

Yxy(33.4385, 0.2937, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	53AF65
RGB	83, 175, 101
RGB Percent	33%, 69%, 40%
CMY	0.6747, 0.3137, 0.6039
CMYK	0.53, 0.00, 0.42, 0.31
HSL	132°, 37%, 51%
HSV	132°, 53%, 69%
XYZ	21.2435, 33.4385, 17.6487
YIQ	139.0560, -31.0780, -42.5180

Conversions

Conversions Part 2

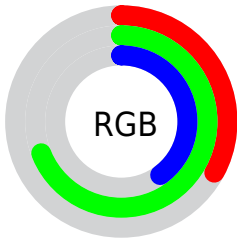
Format	Color
RYB	83, 160, 175
Decimal	5484389
CIELab	64.51, -43.61, 29.77
CIELCh	65, 52.802, 145.680
Yxy	33.4385, 0.2937, 0.4623
Android (android.graphics.Color)	4283674469 (0xFF53AF65)
YUV	139.0560, -18.7616, -49.1611
Hunter-Lab	57.8260, -35.6200, 22.3827

Details

The Yxy color **33.4385, 0.2937, 0.4623** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.7273, 0.3422, 0.2259**, and the grayscale version is **25.9207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9407, 0.2994, 0.4323**, and **14.3047, 0.2817, 0.5132** is the 20% darker color. If you saturate the color by 10%, you get **32.4897, 0.2918, 0.4922**, and if you desaturate by 10%, it is **34.6382, 0.2965, 0.4327**.

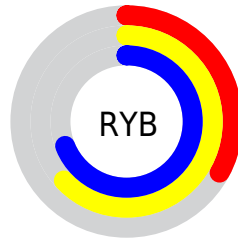
Distribution



Red (33%)

Green (69%)

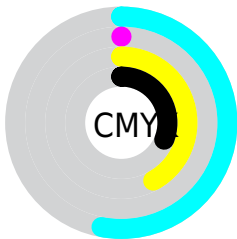
Blue (40%)



Red (33%)

Yellow (63%)

Blue (69%)

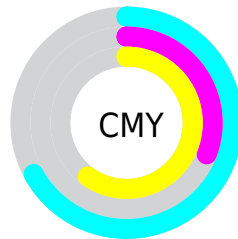


Cyan (53%)

Magenta (0%)

Yellow (42%)

Black (31%)



Cyan (67%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4385, 0.2937, 0.4623 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 33.4385, 0.2937, 0.4623 by changing the saturation by 10% instead.


 33.4385, 0.2937,
0.4623


 33.4385, 0.2937,
0.4623

317.6210, 0.3065,
0.3874


 22.4626, 0.2891,
0.4840


 65.0595, 0.2993,
0.4329

 14.1972, 0.2821,
0.5138


 86.4734, 0.3011,
0.4225

 8.2579, 0.2706,
0.5566


 112.1354, 0.3025,
0.4140

 4.2604, 0.2499,
0.6225

 142.4300, 0.3036,
0.4069

 1.8203, 0.2027,
0.7973

177.7414, 0.3045,
0.4009

 0.4998, 0.0000,
1.0000

218.4541, 0.3053,

 0.0000, 0.0000,

0.3958

0.0000

264.9525, 0.3059,
0.3913

■ 33.4385, 0.2937,
0.4623

■ 33.4385, 0.2937,
0.4623

■ 32.4897, 0.2918,
0.4922

■ 34.6382, 0.2965,
0.4327

■ 31.7697, 0.2910,
0.5209

■ 36.1006, 0.2999,
0.4045

■ 31.2598, 0.2914,
0.5466

■ 37.8418, 0.3037,
0.3785

■ 30.9358, 0.2930,
0.5678

■ 39.8754, 0.3077,
0.3549

■ 30.7805, 0.2945,
0.5801

■ 42.2142, 0.3117,
0.3340

■ 44.8700, 0.3156,
0.3156

■ 47.8542, 0.3193,
0.2996

■ 51.1775, 0.3228,
0.2856

■ 54.8501, 0.3261,
0.2736

Harmonies

Analogous

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



33.4385, 0.3717, 0.4799



33.4385, 0.2937, 0.4623



33.4385, 0.2250, 0.3879

Triad

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



33.4385, 0.2937, 0.4623



33.4385, 0.1923, 0.2094



33.4385, 0.4610, 0.3298

Complementary

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



33.4385, 0.2937, 0.4623



17.7273, 0.3422, 0.2259

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.



33.4385, 0.3992, 0.2749



33.4385, 0.2937, 0.4623



33.4385, 0.2404, 0.2089

Square

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



33.4385, 0.2937, 0.4623



33.4385, 0.1730, 0.2382



33.4385, 0.3148, 0.2322



33.4385, 0.4738, 0.3894

Rectangle

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



33.4385, 0.2937, 0.4623



33.4385, 0.1937, 0.3277



33.4385, 0.3148, 0.2322



33.4385, 0.4450, 0.3107

Sweetspot

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



33.4399, 0.2937, 0.4623



70.0065, 0.3062, 0.3633



38.5694, 0.3712, 0.4615



15.3962, 0.3054, 0.3680



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.



33.4399, 0.2937, 0.4623



57.9645, 0.2916, 0.4966



34.5710, 0.2640, 0.3791



8.9641, 0.3090, 0.3477



22.0478, 0.2940, 0.5785



0.6207, 0.2791, 0.5249

Inverse Universe

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



17.7273, 0.3422, 0.2259



26.7782, 0.3507, 0.2081



16.4668, 0.4125, 0.2866



8.1207, 0.3166, 0.3110



7.9058, 0.3767, 0.1849



0.2267, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 33.4385, 0.2937, 0.4623 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 33.4385, 0.2937, 0.4623 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 33.4385, 0.2937, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 33.4385, 0.2937, 0.4623.



This preview shows how white text looks on a background with the Yxy color 33.4385, 0.2937, 0.4623.

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

33.4385, 0.2937, 0.4623

Protanopia

32.7969, 0.3865, 0.4181

Deuteranopia

32.9955, 0.3952, 0.3875



Tritanopia

33.3519, 0.2517, 0.3081

Trichromacy



Original Color

33.4385, 0.2937, 0.4623



Protanomaly

32.1070, 0.3462, 0.4349



Deuteranomaly

31.8632, 0.3523, 0.4132



Tritanomaly

33.0432, 0.2665, 0.3595

Monochromacy



Original Color

33.4385, 0.2937, 0.4623



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.8591, 0.3046, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4385, 0.2937, 0.4623 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, 175, 101)` looks like.

```
.text, #text, p{  
    color:rgb(83, 175, 101)  
}
```

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, 175, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 175, 101) }
```

Border

The CSS property to change the border of an element to Yxy 33.4385, 0.2937, 0.4623 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, 175, 101) }
```

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

```
.border{ border-color:rgb(83, 175, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 175, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 175, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 175, 101);  
box-shadow:4px 4px 4px 4px rgb(83, 175,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4385, 0.2937, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 175, 101) }
```

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

```
.background{ background-color: rgb(83, 175,  
101) }
```

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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