

Converting Colors

Yxy(34.6032, 0.2935, 0.4638)

Have a look what the booklet for
Yxy(34.6032, 0.2935, 0.4638)
contains.

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Color

Yxy(34.6391, 0.2933, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	53B266
RGB	83, 178, 102
RGB Percent	33%, 70%, 40%
CMY	0.6744, 0.3020, 0.6001
CMYK	0.53, 0.00, 0.43, 0.30
HSL	132°, 38%, 51%
HSV	132°, 53%, 70%
XYZ	21.8864, 34.6391, 18.0956
YIQ	140.9310, -32.2240, -43.7760

Conversions

Conversions Part 2

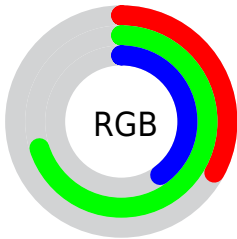
Format	Color
RYB	83, 162, 178
Decimal	5485158
CIELab	65.47, -44.68, 30.50
CIElCh	65, 54.101, 145.684
Yxy	34.6391, 0.2933, 0.4642
Android (android.graphics.Color)	4283675238 (0xFF53B266)
YUV	140.9310, -19.1930, -50.8055
Hunter-Lab	58.8550, -36.6176, 22.9691

Details

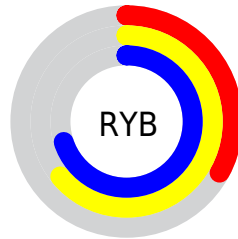
The Yxy color **34.6391, 0.2933, 0.4642** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.1605, 0.3433, 0.2249**, and the grayscale version is **26.6957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6677, 0.2989, 0.4341**, and **14.7915, 0.2819, 0.5159** is the 20% darker color. If you saturate the color by 10%, you get **33.6732, 0.2914, 0.4940**, and if you desaturate by 10%, it is **35.8644, 0.2961, 0.4346**.

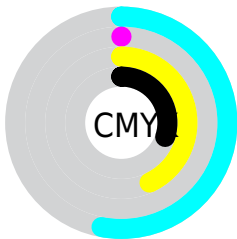
Distribution



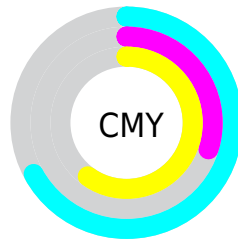
- Red (33%)
- Green (70%)
- Blue (40%)



- Red (33%)
- Yellow (64%)
- Blue (70%)



- Cyan (53%)
- Magenta (0%)
- Yellow (43%)
- Black (30%)





- Cyan (67%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6391, 0.2933, 0.4642 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 34.6391, 0.2933, 0.4642 by changing the saturation by 10% instead.


 34.6391, 0.2933,
0.4642


 34.6391, 0.2933,
0.4642


322.9725, 0.3063,
0.3885


 23.3850, 0.2886,
0.4859


 66.9263, 0.2990,
0.4346

 14.8780, 0.2816,
0.5156


 88.7282, 0.3008,
0.4242

 8.7338, 0.2701,
0.5581


 114.8148, 0.3022,
0.4156

 4.5680, 0.2496,
0.6226

 145.5705, 0.3034,
0.4084

 1.9961, 0.2119,
0.7881

181.3798, 0.3043,
0.4023

 0.6052, 0.0000,
1.0000

222.6269, 0.3051,

 0.0000, 0.0000,

0.3971

0.0000

269.6963, 0.3057,
0.3925

■ 34.6391, 0.2933,
0.4642

■ 34.6391, 0.2933,
0.4642

■ 33.6732, 0.2914,
0.4940

■ 35.8644, 0.2961,
0.4346

■ 32.9435, 0.2907,
0.5225

■ 37.3615, 0.2995,
0.4063

■ 32.4302, 0.2913,
0.5479

■ 39.1472, 0.3033,
0.3802

■ 32.1078, 0.2930,
0.5687

■ 41.2359, 0.3073,
0.3565

■ 31.9661, 0.2944,
0.5797

■ 43.6407, 0.3114,
0.3355

■ 46.3742, 0.3153,
0.3170

■ 49.4481, 0.3191,
0.3008

■ 52.8737, 0.3227,
0.2868

■ 56.6617, 0.3260,
0.2746

Harmonies

Analogous

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



34.6391, 0.3722, 0.4818



34.6391, 0.2933, 0.4642



34.6391, 0.2240, 0.3886

Triad

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



34.6391, 0.2933, 0.4642



34.6391, 0.1910, 0.2081



34.6391, 0.4628, 0.3297

Complementary

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



34.6391, 0.2933, 0.4642



18.1605, 0.3433, 0.2249

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.



34.6391, 0.4003, 0.2743



34.6391, 0.2933, 0.4642



34.6391, 0.2396, 0.2077

Square

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



34.6391, 0.2933, 0.4642



34.6391, 0.1716, 0.2371



34.6391, 0.3148, 0.2312



34.6391, 0.4757, 0.3898

Rectangle

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



34.6391, 0.2933, 0.4642



34.6391, 0.1923, 0.3276



34.6391, 0.3148, 0.2312



34.6391, 0.4467, 0.3104

Sweetspot

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



34.6405, 0.2933, 0.4642



73.6130, 0.3062, 0.3632



40.0010, 0.3719, 0.4634



16.1359, 0.3053, 0.3679



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.6405, 0.2933, 0.4642



60.8010, 0.2912, 0.4991



35.8175, 0.2635, 0.3801



9.5169, 0.3090, 0.3477



22.8789, 0.2939, 0.5781



0.7280, 0.2798, 0.5273

Inverse Universe

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



18.1605, 0.3433, 0.2249



27.7175, 0.3522, 0.2071



16.8500, 0.4149, 0.2860



8.6171, 0.3167, 0.3110



8.1892, 0.3779, 0.1855



0.2651, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 34.6391, 0.2933, 0.4642 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 34.6391, 0.2933, 0.4642 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 34.6391, 0.2933, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 34.6391, 0.2933, 0.4642.



This preview shows how white text looks on a background with the Yxy color 34.6391, 0.2933, 0.4642.

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

34.6391, 0.2933, 0.4642

Protanopia

34.1461, 0.3879, 0.4208

Deuteranopia

34.0347, 0.3963, 0.3880



Tritanopia

34.6369, 0.2513, 0.3084

Trichromacy



Original Color

34.6391, 0.2933, 0.4642



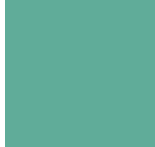
Protanomaly

33.3488, 0.3471, 0.4380



Deuteranomaly

33.0144, 0.3514, 0.4154



Tritanomaly

34.2918, 0.2665, 0.3608

Monochromacy



Original Color

34.6391, 0.2933, 0.4642



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.6366, 0.3037, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6391, 0.2933, 0.4642 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, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(83, 178, 102)  
}
```

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, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 178, 102) }
```

Border

The CSS property to change the border of an element to Yxy 34.6391, 0.2933, 0.4642 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, 178, 102) }
```

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

```
.border{ border-color:rgb(83, 178, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 178, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(83, 178,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6391, 0.2933, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 178, 102) }
```

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

```
.background{ background-color: rgb(83, 178,  
102) }
```

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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