

Converting Colors

Yxy(34.3624, 0.3187, 0.5288)

Have a look what the booklet for
Yxy(34.3624, 0.3187, 0.5288)
contains.

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Color

Yxy(34.5556, 0.3183, 0.5288)

Conversions

Conversions Part 1

Format	Color
Hex	56B33D
RGB	86, 179, 61
RGB Percent	34%, 70%, 24%
CMY	0.6628, 0.2980, 0.7607
CMYK	0.52, 0.00, 0.66, 0.30
HSL	107°, 49%, 47%
HSV	107°, 66%, 70%
XYZ	20.8000, 34.5556, 9.9916
YIQ	137.7410, -17.5500, -56.4140

Conversions

Conversions Part 2

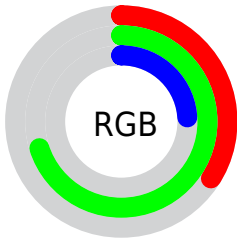
Format	Color
RYB	61, 179, 154
Decimal	5681981
CIELab	65.40, -49.56, 50.14
CIELCh	65, 70.496, 134.668
Yxy	34.5556, 0.3183, 0.5288
Android (android.graphics.Color)	4283872061 (0xFF56B33D)
YUV	137.7410, -37.8333, -45.3769
Hunter-Lab	58.7840, -39.7119, 31.0712

Details

The Yxy color **34.5556, 0.3183, 0.5288** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4689, 0.2870, 0.1670**, and the grayscale version is **25.4644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0455, 0.3216, 0.4861**, and **14.7864, 0.3050, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **33.7903, 0.3161, 0.5556**, and if you desaturate by 10%, it is **35.5205, 0.3195, 0.4978**.

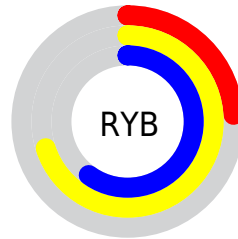
Distribution



Red (34%)

Green (70%)

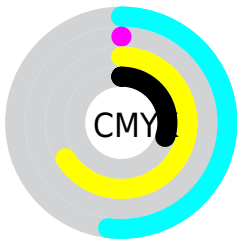
Blue (24%)



Red (24%)

Yellow (70%)

Blue (60%)

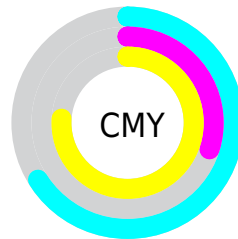


Cyan (52%)

Magenta (0%)

Yellow (66%)

Black (30%)



Cyan (66%)


Magenta (30%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5556, 0.3183, 0.5288 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 34.5556, 0.3183, 0.5288 by changing the saturation by 10% instead.


 34.5556, 0.3183,
0.5288


 34.5556, 0.3183,
0.5288

322.6024, 0.3222,
0.4175


 23.3208, 0.3139,
0.5593


 66.7967, 0.3220,
0.4860


 14.8305, 0.3057,
0.5991


 88.5718, 0.3226,
0.4706

 8.7005, 0.2902,
0.6526


 114.6291, 0.3229,
0.4579

 4.5464, 0.2637,
0.7363

 145.3530, 0.3229,
0.4472

 1.9836, 0.1715,
0.8285

 181.1279, 0.3228,
0.4381

 0.5979, 0.0000,
1.0000

222.3381, 0.3227,

 0.0000, 0.0000,

0.4303

0.0000

269.3682, 0.3225,
0.4235

■ 34.5556, 0.3183,
0.5288

■ 34.5556, 0.3183,
0.5288

■ 33.7903, 0.3161,
0.5556

■ 35.5205, 0.3195,
0.4978

■ 33.2056, 0.3129,
0.5762

■ 36.6936, 0.3197,
0.4648

■ 32.7857, 0.3091,
0.5896

■ 38.0881, 0.3190,
0.4316

■ 32.6516, 0.3077,
0.5939

■ 39.7149, 0.3177,
0.3998

■ 41.5842, 0.3160,
0.3703

■ 43.7055, 0.3140,
0.3435

■ 46.0878, 0.3118,
0.3196

■ 48.7397, 0.3096,
0.2984

■ 51.6694, 0.3075,
0.2799

Harmonies

Analogous

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



34.5556, 0.4145, 0.5101



34.5556, 0.3183, 0.5288



34.5556, 0.2256, 0.4529

Triad

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



34.5556, 0.3183, 0.5288



34.5556, 0.1503, 0.1863



34.5556, 0.4844, 0.2991

Complementary

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



34.5556, 0.3183, 0.5288



13.4689, 0.2870, 0.1670

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.



34.5556, 0.3850, 0.2381



34.5556, 0.3183, 0.5288



34.5556, 0.1944, 0.1762

Square

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



34.5556, 0.3183, 0.5288



34.5556, 0.1393, 0.2328



34.5556, 0.2751, 0.1947



34.5556, 0.5229, 0.3685

Rectangle

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



34.5556, 0.3183, 0.5288



34.5556, 0.1791, 0.3685



34.5556, 0.2751, 0.1947



34.5556, 0.4560, 0.2775

Sweetspot

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



34.5571, 0.3183, 0.5288



72.9348, 0.3168, 0.3830



32.8489, 0.4240, 0.4507



15.9549, 0.3173, 0.3913



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.



34.5571, 0.3183, 0.5288



60.0123, 0.3148, 0.5656



34.0511, 0.2855, 0.4840



9.5739, 0.3147, 0.3523



23.0956, 0.3083, 0.5934



0.7517, 0.3276, 0.5781

Inverse Universe

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



13.4689, 0.2870, 0.1670



19.3746, 0.2789, 0.1433



14.9866, 0.3685, 0.2173



8.5542, 0.3105, 0.3063



6.3377, 0.2686, 0.1253



0.2222, 0.2841, 0.1338

Previews

White Background



This preview shows how the Yxy color 34.5556, 0.3183, 0.5288 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 34.5556, 0.3183, 0.5288 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 34.5556, 0.3183, 0.5288

Background



This preview shows how black text looks on a background with the Yxy color 34.5556, 0.3183, 0.5288.



This preview shows how white text looks on a background with the Yxy color 34.5556, 0.3183, 0.5288.

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

34.5556, 0.3183, 0.5288

Protanopia

33.9597, 0.4203, 0.4631

Deuteranopia

33.8570, 0.4376, 0.4292



Tritanopia

34.2248, 0.2553, 0.3069

Trichromacy



Original Color

34.5556, 0.3183, 0.5288



Protanomaly

33.4075, 0.3776, 0.4907



Deuteranomaly

32.8635, 0.3877, 0.4671



Tritanomaly

33.6987, 0.2809, 0.3872

Monochromacy



Original Color

34.5556, 0.3183, 0.5288



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.8302, 0.3179, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5556, 0.3183, 0.5288 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(86, 179, 61)` looks like.

```
.text, #text, p{  
    color:rgb(86, 179, 61)  
}
```

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(86, 179, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 179, 61) }
```

Border

The CSS property to change the border of an element to Yxy 34.5556, 0.3183, 0.5288 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(86, 179, 61) }
```

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

```
.border{ border-color:rgb(86, 179, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 179, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 179, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 179, 61);  
box-shadow:4px 4px 4px 4px rgb(86, 179,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5556, 0.3183, 0.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 179, 61) }
```

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

```
.background{ background-color: rgb(86, 179,  
61) }
```

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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