

Converting Colors

$Yxy(36.6144, 0.2893, 0.5085)$

Have a look what the booklet for
Yxy(36.6144, 0.2893, 0.5085)
contains.

Yxy(36.6144, 0.2893, 0.5085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6144, 0.2893, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	38BA55
RGB	56, 186, 85
RGB Percent	22%, 73%, 33%
CMY	0.7802, 0.2706, 0.6667
CMYK	0.70, 0.00, 0.54, 0.27
HSL	133°, 54%, 47%
HSV	133°, 70%, 73%
XYZ	20.8310, 36.6144, 14.5594
YIQ	135.6160, -45.0590, -58.9710

Conversions

Conversions Part 2

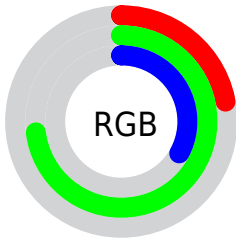
Format	Color
RYB	56, 162, 186
Decimal	3717717
CIELab	66.99, -56.24, 40.81
CIELCh	67, 69.488, 144.036
Yxy	36.6144, 0.2893, 0.5085
Android (android.graphics.Color)	4281907797 (0xFF38BA55)
YUV	135.6160, -24.9537, -69.8232
Hunter-Lab	60.5098, -44.4422, 28.0910

Details

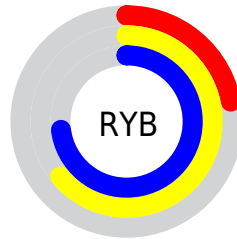
The Yxy color **36.6144, 0.2893, 0.5085** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **15.7095, 0.3607, 0.2041**, and the grayscale version is **24.5825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9004, 0.2973, 0.4690**, and **16.3539, 0.2896, 0.5624** is the 20% darker color. If you saturate the color by 10%, you get **35.9686, 0.2895, 0.5350**, and if you desaturate by 10%, it is **37.5093, 0.2905, 0.4798**.

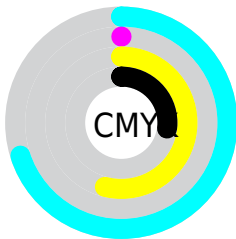
Distribution



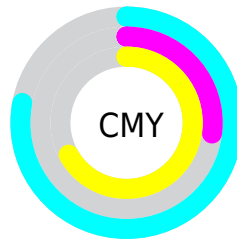
- Red (22%)
- Green (73%)
- Blue (33%)



- Red (22%)
- Yellow (64%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (54%)
- Black (27%)




- Cyan (78%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6144, 0.2893, 0.5085 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 36.6144, 0.2893, 0.5085 by changing the saturation by 10% instead.


 36.6144, 0.2893,
0.5085


 36.6144, 0.2893,
0.5085


331.6381, 0.3064,
0.4079


 24.9091, 0.2827,
0.5370


 69.9793, 0.2971,
0.4694

 16.0093, 0.2725,
0.5752


 92.4077, 0.2996,
0.4555

 9.5308, 0.2557,
0.6284


 119.1793, 0.3014,
0.4440

 5.0890, 0.2294,
0.7145

 150.6784, 0.3029,
0.4344

 2.2996, 0.1527,
0.8473

 187.2894, 0.3040,
0.4263

 0.7735, 0.0000,
1.0000

229.3968, 0.3050,

 0.0000, 0.0000,

0.4193

0.0000

277.3849, 0.3058,
0.4132

■ 36.6144, 0.2893,
0.5085

■ 36.6144, 0.2893,
0.5085

■ 35.9686, 0.2895,
0.5350

■ 37.5093, 0.2905,
0.4798

■ 35.5411, 0.2910,
0.5578

■ 38.6711, 0.2928,
0.4505

■ 35.2840, 0.2933,
0.5758

■ 40.1212, 0.2960,
0.4220

■ 35.2810, 0.2933,
0.5761

■ 41.8775, 0.2999,
0.3951

■ 43.9565, 0.3041,
0.3705

■ 46.3734, 0.3084,
0.3484

■ 49.1425, 0.3128,
0.3288

■ 52.2773, 0.3170,
0.3115

■ 55.7905, 0.3211,
0.2965

Harmonies

Analogous

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



36.6144, 0.3846, 0.5182



36.6144, 0.2893, 0.5085



36.6144, 0.2053, 0.4113

Triad

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



36.6144, 0.2893, 0.5085



36.6144, 0.1642, 0.1836



36.6144, 0.4983, 0.3212

Complementary

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



36.6144, 0.2893, 0.5085



15.7095, 0.3607, 0.2041

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.



36.6144, 0.4165, 0.2579



36.6144, 0.2893, 0.5085



36.6144, 0.2184, 0.1828

Square

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



36.6144, 0.2893, 0.5085



36.6144, 0.1435, 0.2172



36.6144, 0.3079, 0.2090



36.6144, 0.5139, 0.3910

Rectangle

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



36.6144, 0.2893, 0.5085



36.6144, 0.1677, 0.3302



36.6144, 0.3079, 0.2090



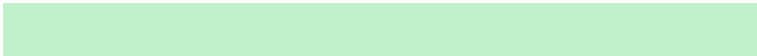
36.6144, 0.4772, 0.2991

Sweetspot

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



36.6159, 0.2893, 0.5085



79.0762, 0.3034, 0.3740



42.6575, 0.3793, 0.5002



17.1760, 0.3022, 0.3807



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.6159, 0.2893, 0.5085



64.7209, 0.2902, 0.5482



38.1361, 0.2531, 0.3918



10.0920, 0.3087, 0.3473



23.7453, 0.2928, 0.5741



0.8466, 0.2788, 0.5238

Inverse Universe

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



15.7095, 0.3607, 0.2041



24.3858, 0.3743, 0.1922



14.0607, 0.4776, 0.2841



9.1276, 0.3170, 0.3114



8.4017, 0.3857, 0.1898



0.3048, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 36.6144, 0.2893, 0.5085 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 36.6144, 0.2893, 0.5085 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 36.6144, 0.2893, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 36.6144, 0.2893, 0.5085.



This preview shows how white text looks on a background with the Yxy color 36.6144, 0.2893, 0.5085.

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

36.6144, 0.2893, 0.5085

Protanopia

35.9602, 0.4054, 0.4437

Deuteranopia

35.7718, 0.4170, 0.4081



Tritanopia

36.4579, 0.2411, 0.3070

Trichromacy



Original Color

36.6144, 0.2893, 0.5085



Protanomaly

34.7733, 0.3513, 0.4728



Deuteranomaly

34.1216, 0.3584, 0.4473



Tritanomaly

36.0523, 0.2587, 0.3765

Monochromacy



Original Color

36.6144, 0.2893, 0.5085



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.5214, 0.3002, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6144, 0.2893, 0.5085 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, 186, 85)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 85)  
}
```

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, 186, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 85) }
```

Border

The CSS property to change the border of an element to Yxy 36.6144, 0.2893, 0.5085 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, 186, 85) }
```

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

```
.border{ border-color:rgb(56, 186, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 85);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6144, 0.2893, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 85) }
```

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

```
.background{ background-color: rgb(56, 186,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor