

Converting Colors

Yxy(36.5667, 0.3046, 0.4543)

Have a look what the booklet for
Yxy(36.5667, 0.3046, 0.4543)
contains.

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Color

Yxy(36.5667, 0.3046, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	67B46A
RGB	103, 180, 106
RGB Percent	40%, 71%, 42%
CMY	0.5961, 0.2941, 0.5842
CMYK	0.43, 0.00, 0.41, 0.29
HSL	122°, 34%, 55%
HSV	122°, 43%, 71%
XYZ	24.5173, 36.5667, 19.4062
YIQ	148.5410, -22.1380, -39.3380

Conversions

Conversions Part 2

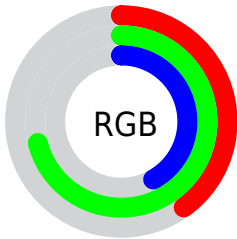
Format	Color
RYB	103, 177, 180
Decimal	6796394
CIELab	66.95, -39.26, 30.47
CIElCh	67, 49.696, 142.190
Yxy	36.5667, 0.3046, 0.4543
Android (android.graphics.Color)	4284986474 (0xFF67B46A)
YUV	148.5410, -20.9727, -39.9395
Hunter-Lab	60.4704, -33.4516, 23.3019

Details

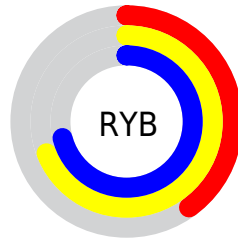
The Yxy color **36.5667, 0.3046, 0.4543** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.5788, 0.3210, 0.2293**, and the grayscale version is **29.9504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7286, 0.3081, 0.4274**, and **15.8455, 0.2971, 0.4999** is the 20% darker color. If you saturate the color by 10%, you get **35.2915, 0.3028, 0.4888**, and if you desaturate by 10%, it is **38.1466, 0.3066, 0.4206**.

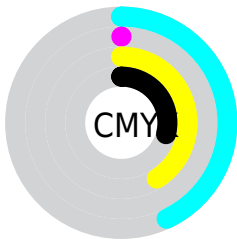
Distribution



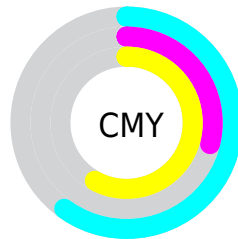
- Red (40%)
- Green (71%)
- Blue (42%)



- Red (40%)
- Yellow (69%)
- Blue (71%)



- Cyan (43%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (60%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5667, 0.3046, 0.4543 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 36.5667, 0.3046, 0.4543 by changing the saturation by 10% instead.


 36.5667, 0.3046,
0.4543


 36.5667, 0.3046,
0.4543


331.4307, 0.3113,
0.3852

 24.8722, 0.3018,
0.4737


 69.9059, 0.3078,
0.4276


 15.9819, 0.2974,
0.5000


 92.3193, 0.3087,
0.4180

 9.5113, 0.2898,
0.5372


 119.0745, 0.3095,
0.4102

 5.0762, 0.2756,
0.5928

 150.5559, 0.3100,
0.4035

 2.2920, 0.2647,
0.7353

187.1478, 0.3104,
0.3979

 0.7695, 0.0000,
1.0000

229.2346, 0.3108,

 0.0000, 0.0000,

0.3931

0.0000

277.2008, 0.3110,
0.3889

■ 36.5667, 0.3046,
0.4543

■ 36.5667, 0.3046,
0.4543

■ 35.2915, 0.3028,
0.4888

■ 38.1466, 0.3066,
0.4206

■ 34.2973, 0.3012,
0.5221

■ 40.0443, 0.3086,
0.3892

■ 33.5641, 0.3001,
0.5516


■ 42.2774, 0.3105,
0.3607


■ 33.0673, 0.2995,
0.5751


■ 44.8610, 0.3122,
0.3354

■ 32.7779, 0.2994,
0.5908

■ 47.8094, 0.3139,
0.3134

 32.6588, 0.2993,
0.5975

 51.1359, 0.3154,
0.2943

 54.8533, 0.3167,
0.2779

 58.9736, 0.3179,
0.2638

 61.1234, 0.3162,
0.2556

Harmonies

Analogous

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



36.5667, 0.3764, 0.4655



36.5667, 0.3046, 0.4543



36.5667, 0.2389, 0.3920

Triad

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



36.5667, 0.3046, 0.4543



36.5667, 0.1976, 0.2201



36.5667, 0.4436, 0.3246

Complementary

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



36.5667, 0.3046, 0.4543



22.5788, 0.3210, 0.2293

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.



36.5667, 0.3835, 0.2740



36.5667, 0.3046, 0.4543



36.5667, 0.2397, 0.2163

Square

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



36.5667, 0.3046, 0.4543



36.5667, 0.1827, 0.2511



36.5667, 0.3062, 0.2357



36.5667, 0.4618, 0.3802

Rectangle

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



36.5667, 0.3046, 0.4543



36.5667, 0.2072, 0.3379



36.5667, 0.3062, 0.2357



36.5667, 0.4274, 0.3068

Sweetspot

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



36.5682, 0.3046, 0.4543



76.4617, 0.3104, 0.3619



43.0211, 0.3730, 0.4336



16.3249, 0.3100, 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.



36.5682, 0.3046, 0.4543



64.1769, 0.3029, 0.4857



37.5430, 0.2786, 0.3881



9.4953, 0.3111, 0.3516



22.7956, 0.2991, 0.5969



0.7190, 0.2956, 0.5840

Inverse Universe

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



22.5788, 0.3210, 0.2293



35.5536, 0.3229, 0.2105



21.2672, 0.3698, 0.2776



8.6409, 0.3143, 0.3074



8.8792, 0.3308, 0.1596



0.2811, 0.3278, 0.1580

Previews

White Background



This preview shows how the Yxy color 36.5667, 0.3046, 0.4543 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 36.5667, 0.3046, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

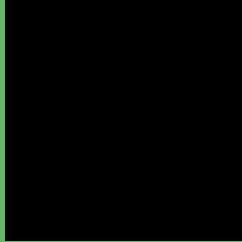
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5667, 0.3046, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 36.5667, 0.3046, 0.4543.



This preview shows how white text looks on a background with the Yxy color 36.5667, 0.3046, 0.4543.

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

36.5667, 0.3046, 0.4543

Protanopia

36.0886, 0.3854, 0.4177

Deuteranopia

35.9500, 0.3943, 0.3869



Tritanopia

36.5085, 0.2610, 0.3091

Trichromacy



Original Color

36.5667, 0.3046, 0.4543

Protanomaly

35.8193, 0.3517, 0.4319

Deuteranomaly

35.1503, 0.3571, 0.4103

Tritanomaly

36.1831, 0.2764, 0.3579

Monochromacy



Original Color

36.5667, 0.3046, 0.4543

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.7406, 0.3097, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5667, 0.3046, 0.4543 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(103, 180, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 180, 106)  
}
```

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(103, 180, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 180, 106) }
```

Border

The CSS property to change the border of an element to Yxy 36.5667, 0.3046, 0.4543 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(103, 180, 106) }
```

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

```
.border{ border-color:rgb(103, 180, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 180, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 180, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 180, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 180,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5667, 0.3046, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 180, 106) }
```

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

```
.background{ background-color: rgb(103,  
180, 106) }
```

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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