

Converting Colors

$Yxy(36.4744, 0.2860, 0.4169)$

Have a look what the booklet for
Yxy(36.4744, 0.2860, 0.4169)
contains.

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Color

Yxy(36.3401, 0.2854, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	61B380
RGB	97, 179, 128
RGB Percent	38%, 70%, 50%
CMY	0.6197, 0.2980, 0.4981
CMYK	0.46, 0.00, 0.29, 0.30
HSL	143°, 35%, 54%
HSV	143°, 46%, 70%
XYZ	24.9434, 36.3401, 26.1145
YIQ	148.6680, -32.5010, -33.2450

Conversions

Conversions Part 2

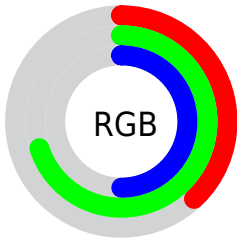
Format	Color
RYB	97, 157, 179
Decimal	6402944
CIELab	66.78, -36.69, 18.46
CIElCh	67, 41.071, 153.290
Yxy	36.3401, 0.2854, 0.4158
Android (android.graphics.Color)	4284593024 (0xFF61B380)
YUV	148.6680, -10.1893, -45.3128
Hunter-Lab	60.2828, -31.6363, 16.5135

Details

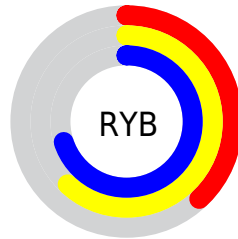
The Yxy color **36.3401, 0.2854, 0.4158** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.2688, 0.3574, 0.2568**, and the grayscale version is **29.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4283, 0.2917, 0.3971**, and **15.9576, 0.2741, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **35.1897, 0.2815, 0.4392**, and if you desaturate by 10%, it is **37.7476, 0.2904, 0.3937**.

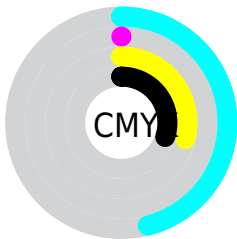
Distribution



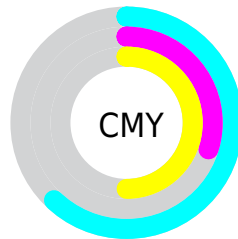
- Red (38%)
- Green (70%)
- Blue (50%)



- Red (38%)
- Yellow (62%)
- Blue (70%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)





- Cyan (62%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3401, 0.2854, 0.4158 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 36.3401, 0.2854, 0.4158 by changing the saturation by 10% instead.


 36.3401, 0.2854,
0.4158


 36.3401, 0.2854,
0.4158


330.4446, 0.3008,
0.3683

 24.6970, 0.2809,
0.4292


 69.5567, 0.2915,
0.3974

 15.8514, 0.2747,
0.4474


 91.8989, 0.2936,
0.3909

 9.4191, 0.2655,
0.4734


 118.5763, 0.2953,
0.3855

 5.0155, 0.2509,
0.5135

 149.9733, 0.2968,
0.3809

 2.2564, 0.2255,
0.5848

186.4742, 0.2980,
0.3770

 0.7505, 0.0000,
1.0000

228.4635, 0.2991,

 0.0000, 0.0000,

0.3737

0.0000

276.3255, 0.3000,
0.3708

■ 36.3401, 0.2854,
0.4158

■ 36.3401, 0.2854,
0.4158

■ 35.1897, 0.2815,
0.4392

■ 37.7476, 0.2904,
0.3937

■ 34.2756, 0.2790,
0.4632

■ 39.4222, 0.2962,
0.3732

■ 33.5814, 0.2781,
0.4870


■ 41.3792, 0.3024,
0.3546

■ 33.0861, 0.2790,
0.5098


■ 43.6310, 0.3089,
0.3379

■ 32.7633, 0.2817,
0.5306


■ 46.1896, 0.3154,
0.3230

 32.6564, 0.2830,
0.5387

 49.0660, 0.3219,
0.3099

 52.2709, 0.3281,
0.2984

 55.8144, 0.3341,
0.2884

 59.1159, 0.3372,
0.2792

Harmonies

Analogous

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



36.3401, 0.3460, 0.4428



36.3401, 0.2854, 0.4158



36.3401, 0.2351, 0.3568

Triad

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



36.3401, 0.2854, 0.4158



36.3401, 0.2259, 0.2330



36.3401, 0.4314, 0.3446

Complementary

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



36.3401, 0.2854, 0.4158



20.2688, 0.3574, 0.2568

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.



36.3401, 0.3929, 0.2982



36.3401, 0.2854, 0.4158



36.3401, 0.2706, 0.2369

Square

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



36.3401, 0.2854, 0.4158



36.3401, 0.2040, 0.2517



36.3401, 0.3317, 0.2602



36.3401, 0.4332, 0.3918

Rectangle

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



36.3401, 0.2854, 0.4158



36.3401, 0.2135, 0.3141



36.3401, 0.3317, 0.2602



36.3401, 0.4223, 0.3286

Sweetspot

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



36.3416, 0.2854, 0.4158



74.7061, 0.3034, 0.3518



39.4890, 0.3506, 0.4515



16.3715, 0.3021, 0.3556



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.



36.3416, 0.2854, 0.4158



62.9983, 0.2814, 0.4394



37.6134, 0.2590, 0.3464



9.5415, 0.3066, 0.3435



23.0862, 0.2824, 0.5365



0.7380, 0.2659, 0.4771

Inverse Universe

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



20.2688, 0.3574, 0.2568



30.6031, 0.3718, 0.2425



19.2114, 0.4171, 0.3134



8.5912, 0.3193, 0.3149



7.6018, 0.4429, 0.2213



0.2501, 0.4007, 0.1981

Previews

White Background



This preview shows how the Yxy color 36.3401, 0.2854, 0.4158 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 36.3401, 0.2854, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

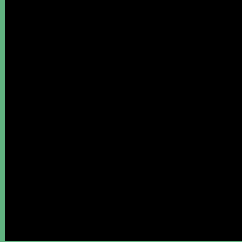
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3401, 0.2854, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 36.3401, 0.2854, 0.4158.



This preview shows how white text looks on a background with the Yxy color 36.3401, 0.2854, 0.4158.

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

36.3401, 0.2854, 0.4158

Protanopia

35.7300, 0.3627, 0.3883

Deuteranopia

35.7009, 0.3670, 0.3595



Tritanopia

36.3873, 0.2552, 0.3089

Trichromacy



Original Color

36.3401, 0.2854, 0.4158



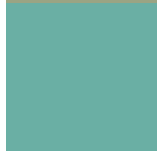
Protanomaly

35.4551, 0.3296, 0.3995



Deuteranomaly

35.0596, 0.3323, 0.3795



Tritanomaly

36.4045, 0.2663, 0.3465

Monochromacy



Original Color

36.3401, 0.2854, 0.4158



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

31.8105, 0.3010, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3401, 0.2854, 0.4158 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(97, 179, 128)` looks like.

```
.text, #text, p{  
    color:rgb(97, 179, 128)  
}
```

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(97, 179, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 179, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.3401, 0.2854, 0.4158 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(97, 179, 128) }
```

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

```
.border{ border-color:rgb(97, 179, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 179, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 179, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 179, 128);  
box-shadow:4px 4px 4px 4px rgb(97, 179,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3401, 0.2854, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 179, 128) }
```

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

```
.background{ background-color: rgb(97, 179,  
128) }
```

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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