

Converting Colors

$Yxy(36.3151, 0.2678, 0.3865)$

Have a look what the booklet for
Yxy(36.3151, 0.2678, 0.3865)
contains.

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Color

Yxy(36.3108, 0.2678, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	57B391
RGB	87, 179, 145
RGB Percent	34%, 70%, 57%
CMY	0.6590, 0.2980, 0.4313
CMYK	0.51, 0.00, 0.19, 0.30
HSL	158°, 38%, 52%
HSV	158°, 51%, 70%
XYZ	25.1592, 36.3108, 32.4777
YIQ	147.6160, -43.9180, -30.0780

Conversions

Conversions Part 2

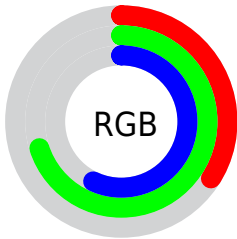
Format	Color
RYB	87, 143, 179
Decimal	5747601
CIELab	66.76, -35.67, 9.05
CIElCh	67, 36.803, 165.759
Yxy	36.3108, 0.2678, 0.3865
Android (android.graphics.Color)	4283937681 (0xFF57B391)
YUV	147.6160, -1.2897, -53.1602
Hunter-Lab	60.2584, -30.9247, 10.2251

Details

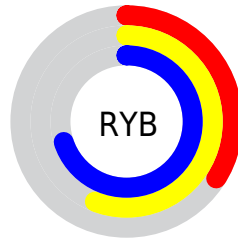
The Yxy color **36.3108, 0.2678, 0.3865** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.7728, 0.4015, 0.2804**, and the grayscale version is **29.4619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3798, 0.2769, 0.3741**, and **15.9546, 0.2528, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **35.3573, 0.2625, 0.4002**, and if you desaturate by 10%, it is **37.4926, 0.2746, 0.3735**.

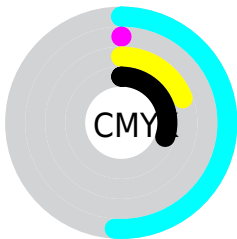
Distribution



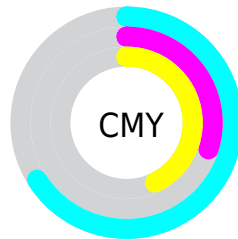
- Red (34%)
- Green (70%)
- Blue (57%)



- Red (34%)
- Yellow (56%)
- Blue (70%)



- Cyan (51%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)





- Cyan (66%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3108, 0.2678, 0.3865 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 36.3108, 0.2678, 0.3865 by changing the saturation by 10% instead.


 36.3108, 0.2678,
0.3865


 36.3108, 0.2678,
0.3865


330.3170, 0.2916,
0.3555


 24.6743, 0.2614,
0.3951


 69.5115, 0.2768,
0.3747

 15.8346, 0.2528,
0.4066


 91.8445, 0.2801,
0.3704

 9.4072, 0.2409,
0.4229


 118.5119, 0.2828,
0.3669

 5.0077, 0.2232,
0.4477

 149.8979, 0.2851,
0.3639

 2.2518, 0.1944,
0.4899

186.3870, 0.2871,
0.3613

 0.7480, 0.0000,
0.8047

228.3637, 0.2888,

 0.0000, 0.0000,

0.3591

0.0000

276.2122, 0.2903,
0.3572

■ 36.3108, 0.2678,
0.3865

■ 36.3108, 0.2678,
0.3865

■ 35.3573, 0.2625,
0.4002

■ 37.4926, 0.2746,
0.3735

■ 34.6115, 0.2591,
0.4142

■ 38.9131, 0.2826,
0.3612

■ 34.0563, 0.2575,
0.4284

■ 40.5871, 0.2916,
0.3499

■ 33.6697, 0.2580,
0.4425

■ 42.5268, 0.3013,
0.3396

■ 33.4335, 0.2596,
0.4544

■ 44.7440, 0.3113,
0.3303

■ 47.2494, 0.3215,
0.3219

■ 50.0532, 0.3316,
0.3145

■ 53.1653, 0.3416,
0.3079

■ 56.5949, 0.3514,
0.3021

Harmonies

Analogous

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



36.3108, 0.3205, 0.4246



36.3108, 0.2678, 0.3865



36.3108, 0.2293, 0.3302

Triad

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



36.3108, 0.2678, 0.3865



36.3108, 0.2488, 0.2409



36.3108, 0.4241, 0.3622

Complementary

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



36.3108, 0.2678, 0.3865



17.7728, 0.4015, 0.2804

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.



36.3108, 0.4023, 0.3186



36.3108, 0.2678, 0.3865



36.3108, 0.2968, 0.2521

Square

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



36.3108, 0.2678, 0.3865



36.3108, 0.2196, 0.2496



36.3108, 0.3539, 0.2798



36.3108, 0.4125, 0.4026

Rectangle

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



36.3108, 0.2678, 0.3865



36.3108, 0.2157, 0.2950



36.3108, 0.3539, 0.2798



36.3108, 0.4205, 0.3476

Sweetspot

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



36.3123, 0.2678, 0.3865



74.7694, 0.2975, 0.3434



37.0859, 0.3330, 0.4768



16.4045, 0.2955, 0.3456



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.



36.3123, 0.2678, 0.3865



63.0766, 0.2618, 0.4024



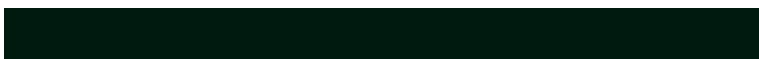
33.3834, 0.2436, 0.3114



9.5772, 0.3033, 0.3375



23.6364, 0.2591, 0.4528



0.7545, 0.2483, 0.4140

Inverse Universe

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



17.7728, 0.4015, 0.2804



26.1051, 0.4341, 0.2722



18.9503, 0.4485, 0.3448



8.5554, 0.3231, 0.3206



7.0627, 0.5466, 0.2785



0.2337, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 36.3108, 0.2678, 0.3865 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 36.3108, 0.2678, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

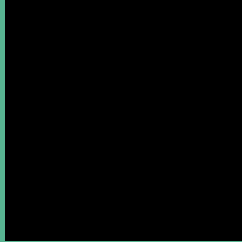
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3108, 0.2678, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 36.3108, 0.2678, 0.3865.

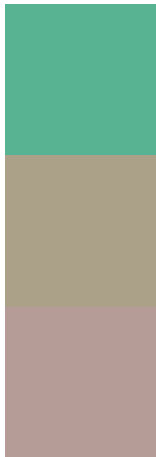


This preview shows how white text looks on a background with the Yxy color 36.3108, 0.2678, 0.3865.

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

36.3108, 0.2678, 0.3865

Protanopia

35.8134, 0.3445, 0.3654

Deuteranopia

35.8027, 0.3436, 0.3375



Tritanopia

36.1276, 0.2470, 0.3071

Trichromacy



Original Color

36.3108, 0.2678, 0.3865

Protanomaly

35.4448, 0.3115, 0.3745

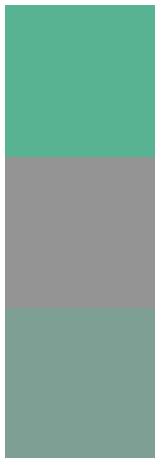
Deuteranomaly

34.8921, 0.3106, 0.3536

Tritanomaly

36.0714, 0.2543, 0.3337

Monochromacy



Original Color

36.3108, 0.2678, 0.3865

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.3385, 0.2923, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3108, 0.2678, 0.3865 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(87, 179, 145)` looks like.

```
.text, #text, p{  
    color:rgb(87, 179, 145)  
}
```

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(87, 179, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 179, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.3108, 0.2678, 0.3865 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(87, 179, 145) }
```

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

```
.border{ border-color:rgb(87, 179, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 179, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 179, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 179, 145);  
box-shadow:4px 4px 4px 4px rgb(87, 179,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3108, 0.2678, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 179, 145) }
```

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

```
.background{ background-color: rgb(87, 179,  
145) }
```

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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