

Converting Colors

$Yxy(36.5262, 0.2932, 0.4132)$

Have a look what the booklet for
Yxy(36.5262, 0.2932, 0.4132)
contains.

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Color

Yxy(36.5874, 0.2931, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	6CB280
RGB	108, 178, 128
RGB Percent	42%, 70%, 50%
CMY	0.5766, 0.3019, 0.4981
CMYK	0.39, 0.00, 0.28, 0.30
HSL	137°, 31%, 56%
HSV	137°, 39%, 70%
XYZ	25.9970, 36.5874, 26.1123
YIQ	151.3700, -25.6700, -30.3900

Conversions

Conversions Part 2

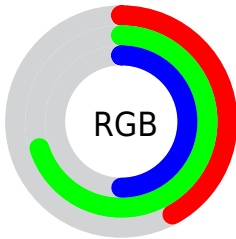
Format	Color
RYB	108, 162, 178
Decimal	7123584
CIELab	66.97, -33.05, 18.79
CIELCh	67, 38.017, 150.385
Yxy	36.5874, 0.2931, 0.4125
Android (android.graphics.Color)	4285313664 (0xFF6CB280)
YUV	151.3700, -11.5214, -38.0355
Hunter-Lab	60.4875, -29.1354, 16.7459

Details

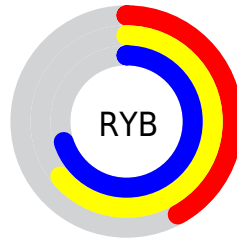
The Yxy color **36.5874, 0.2931, 0.4125** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.6506, 0.3409, 0.2584**, and the grayscale version is **31.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8632, 0.2976, 0.3948**, and **16.0440, 0.2842, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **35.2709, 0.2893, 0.4386**, and if you desaturate by 10%, it is **38.1767, 0.2976, 0.3881**.

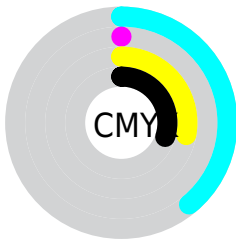
Distribution



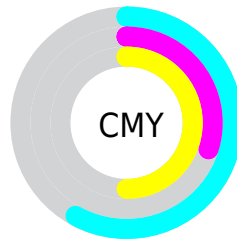
- Red (42%)
- Green (70%)
- Blue (50%)



- Red (42%)
- Yellow (64%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (28%)
- Black (30%)





- Cyan (58%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5874, 0.2931, 0.4125 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 36.5874, 0.2931, 0.4125 by changing the saturation by 10% instead.


 36.5874, 0.2931,
0.4125

 36.5874, 0.2931,
0.4125

331.5207, 0.3044,
0.3669


 24.8882, 0.2897,
0.4253


 69.9377, 0.2976,
0.3949


 15.9938, 0.2849,
0.4426


 92.3577, 0.2992,
0.3887

 9.5197, 0.2778,
0.4673

 119.1200, 0.3005,
0.3835

 5.0817, 0.2662,
0.5051

 150.6090, 0.3015,
0.3791

 2.2953, 0.2457,
0.5720

187.2092, 0.3024,
0.3754

 0.7712, 0.0000,
1.0000

229.3050, 0.3032,

 0.0000, 0.0000,

0.3722

0.0000

277.2807, 0.3038,
0.3694

■ 36.5874, 0.2931,
0.4125

■ 36.5874, 0.2931,
0.4125

■ 35.2709, 0.2893,
0.4386

■ 38.1767, 0.2976,
0.3881

■ 34.2072, 0.2865,
0.4656

■ 40.0484, 0.3026,
0.3658

■ 33.3806, 0.2850,
0.4926


■ 42.2174, 0.3078,
0.3457

■ 32.7717, 0.2851,
0.5184


■ 44.6961, 0.3131,
0.3279


■ 32.3582, 0.2867,
0.5416


■ 47.4960, 0.3182,
0.3122


 32.0979, 0.2894,
0.5612

 50.6283, 0.3231,
0.2985

 32.0831, 0.2896,
0.5624

 54.1035, 0.3279,
0.2866

 57.9316, 0.3323,
0.2762

 59.5385, 0.3259,
0.2649

Harmonies

Analogous

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



36.5874, 0.3495, 0.4341



36.5874, 0.2931, 0.4125



36.5874, 0.2446, 0.3606

Triad

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



36.5874, 0.2931, 0.4125



36.5874, 0.2289, 0.2403



36.5874, 0.4202, 0.3398

Complementary

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



36.5874, 0.2931, 0.4125



22.6506, 0.3409, 0.2584

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.



36.5874, 0.3819, 0.2967



36.5874, 0.2931, 0.4125



36.5874, 0.2690, 0.2419

Square

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



36.5874, 0.2931, 0.4125



36.5874, 0.2105, 0.2604



36.5874, 0.3247, 0.2621



36.5874, 0.4257, 0.3841

Rectangle

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



36.5874, 0.2931, 0.4125



36.5874, 0.2228, 0.3212



36.5874, 0.3247, 0.2621



36.5874, 0.4107, 0.3249

Sweetspot

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



36.5889, 0.2931, 0.4125



75.3696, 0.3063, 0.3512



40.2123, 0.3516, 0.4315



16.5841, 0.3057, 0.3538



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.



36.5889, 0.2931, 0.4125



64.2905, 0.2898, 0.4345



37.6688, 0.2690, 0.3530



9.5287, 0.3078, 0.3457



22.9625, 0.2890, 0.5604



0.7328, 0.2727, 0.5016

Inverse Universe

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



22.6506, 0.3409, 0.2584



35.5369, 0.3492, 0.2438



21.6164, 0.3876, 0.3069



8.6044, 0.3180, 0.3129



7.8815, 0.4079, 0.2020



0.2574, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 36.5874, 0.2931, 0.4125 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 36.5874, 0.2931, 0.4125 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 36.5874, 0.2931, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 36.5874, 0.2931, 0.4125.



This preview shows how white text looks on a background with the Yxy color 36.5874, 0.2931, 0.4125.

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

36.5874, 0.2931, 0.4125

Protanopia

36.2198, 0.3624, 0.3880

Deuteranopia

36.1618, 0.3677, 0.3607



Tritanopia

36.5796, 0.2617, 0.3092

Trichromacy



Original Color

36.5874, 0.2931, 0.4125

Protanomaly

35.9445, 0.3336, 0.3968

Deuteranomaly

35.5605, 0.3373, 0.3787

Tritanomaly

36.6654, 0.2730, 0.3447

Monochromacy



Original Color

36.5874, 0.2931, 0.4125

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.6238, 0.3039, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5874, 0.2931, 0.4125 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(108, 178, 128)` looks like.

```
.text, #text, p{  
    color:rgb(108, 178, 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(108, 178, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 178, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.5874, 0.2931, 0.4125 is called "border". The border property can be set on classes, ids or directly on the HTML element.

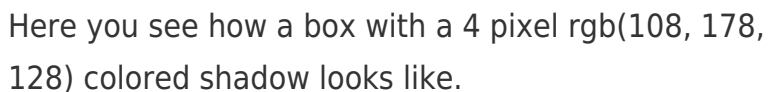
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 178, 128) }
```

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

```
.border{ border-color:rgb(108, 178, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 178, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 178, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 178, 128); box-shadow:4px 4px 4px 4px rgb(108, 178, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5874, 0.2931, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 178, 128) }
```

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

```
.background{ background-color: rgb(108,  
178, 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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