

Converting Colors

$Yxy(36.5398, 0.2703, 0.4198)$

Have a look what the booklet for
Yxy(36.5398, 0.2703, 0.4198)
contains.

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Color

Yxy(36.4841, 0.2704, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	49B682
RGB	73, 182, 130
RGB Percent	29%, 71%, 51%
CMY	0.7141, 0.2862, 0.4902
CMYK	0.60, 0.00, 0.29, 0.29
HSL	151°, 43%, 50%
HSV	151°, 60%, 71%
XYZ	23.5000, 36.4841, 26.9242
YIQ	143.4810, -48.2720, -39.2800

Conversions

Conversions Part 2

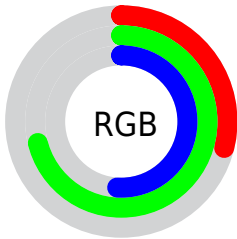
Format	Color
RYB	73, 145, 182
Decimal	4830850
CIELab	66.89, -43.46, 17.38
CIElCh	67, 46.803, 158.204
Yxy	36.4841, 0.2704, 0.4198
Android (android.graphics.Color)	4283020930 (0xFF49B682)
YUV	143.4810, -6.6461, -61.8118
Hunter-Lab	60.4021, -36.2565, 15.8530

Details

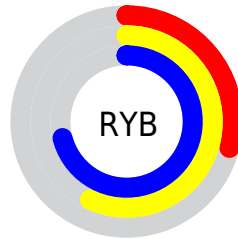
The Yxy color **36.4841, 0.2704, 0.4198** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.1785, 0.4045, 0.2580**, and the grayscale version is **27.7039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9772, 0.2795, 0.4010**, and **16.0175, 0.2591, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **35.6533, 0.2675, 0.4383**, and if you desaturate by 10%, it is **37.5454, 0.2750, 0.4018**.

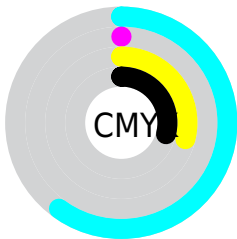
Distribution



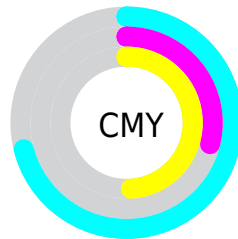
- Red (29%)
- Green (71%)
- Blue (51%)



- Red (29%)
- Yellow (57%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4841, 0.2704, 0.4198 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 36.4841, 0.2704, 0.4198 by changing the saturation by 10% instead.

 36.4841, 0.2704,
0.4198


 36.4841, 0.2704,
0.4198

331.0715, 0.2936,
0.3700


 24.8083, 0.2638,
0.4339


 69.7786, 0.2794,
0.4005

 15.9343, 0.2549,
0.4530


 92.1661, 0.2826,
0.3937

 9.4777, 0.2421,
0.4805


 118.8930, 0.2852,
0.3880

 5.0540, 0.2224,
0.5228

 150.3436, 0.2875,
0.3832

 2.2790, 0.1877,
0.5972

 186.9024, 0.2893,
0.3792

 0.7626, 0.0000,
1.0000

228.9537, 0.2910,

 0.0000, 0.0000,

0.3757

0.0000

276.8819, 0.2924,
0.3726

■ 36.4841, 0.2704,
0.4198

■ 36.4841, 0.2704,
0.4198

■ 35.6533, 0.2675,
0.4383

■ 37.5454, 0.2750,
0.4018

■ 35.0295, 0.2666,
0.4569

■ 38.8497, 0.2810,
0.3847

■ 34.5913, 0.2676,
0.4751

■ 40.4138, 0.2880,
0.3688

■ 34.2931, 0.2702,
0.4925

■ 42.2518, 0.2959,
0.3541

■ 34.2915, 0.2702,
0.4926

■ 44.3765, 0.3042,
0.3409

■ 46.8002, 0.3128,
0.3289

■ 49.5342, 0.3214,
0.3183

■ 52.5894, 0.3299,
0.3089

■ 55.9759, 0.3382,
0.3007

Harmonies

Analogous

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



36.4841, 0.3378, 0.4580



36.4841, 0.2704, 0.4198



36.4841, 0.2179, 0.3478

Triad

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



36.4841, 0.2704, 0.4198



36.4841, 0.2217, 0.2206



36.4841, 0.4510, 0.3537

Complementary

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



36.4841, 0.2704, 0.4198



16.1785, 0.4045, 0.2580

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.



36.4841, 0.4135, 0.3018



36.4841, 0.2704, 0.4198



36.4841, 0.2751, 0.2291

Square

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



36.4841, 0.2704, 0.4198



36.4841, 0.1933, 0.2362



36.4841, 0.3459, 0.2579



36.4841, 0.4450, 0.4060

Rectangle

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



36.4841, 0.2704, 0.4198



36.4841, 0.1973, 0.2999



36.4841, 0.3459, 0.2579



36.4841, 0.4432, 0.3360

Sweetspot

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



36.4856, 0.2704, 0.4198



77.1854, 0.2972, 0.3519



38.3491, 0.3434, 0.4972



16.8168, 0.2948, 0.3559



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.4856, 0.2704, 0.4198



64.2197, 0.2670, 0.4444



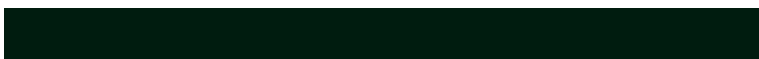
37.5115, 0.2393, 0.3259



10.1365, 0.3047, 0.3401



24.2263, 0.2696, 0.4906



0.8665, 0.2569, 0.4448

Inverse Universe

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



16.1785, 0.4045, 0.2580



24.1055, 0.4370, 0.2492



15.4220, 0.4948, 0.3319



9.0816, 0.3215, 0.3182



7.5195, 0.5029, 0.2544



0.2776, 0.4440, 0.2220

Previews

White Background



This preview shows how the Yxy color 36.4841, 0.2704, 0.4198 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 36.4841, 0.2704, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

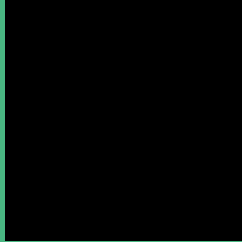
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4841, 0.2704, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 36.4841, 0.2704, 0.4198.



This preview shows how white text looks on a background with the Yxy color 36.4841, 0.2704, 0.4198.

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

36.4841, 0.2704, 0.4198

Protanopia

35.7545, 0.3617, 0.3869

Deuteranopia

35.6594, 0.3629, 0.3554



Tritanopia

36.2215, 0.2423, 0.3055

Trichromacy



Original Color

36.4841, 0.2704, 0.4198



Protanomaly

35.1495, 0.3210, 0.4010



Deuteranomaly

34.6512, 0.3207, 0.3776



Tritanomaly

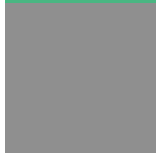
36.2027, 0.2518, 0.3436

Monochromacy



Original Color

36.4841, 0.2704, 0.4198



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.8005, 0.2925, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4841, 0.2704, 0.4198 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(73, 182, 130)` looks like.

```
.text, #text, p{  
  color:rgb(73, 182, 130)  
}
```

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(73, 182, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 130) }
```

Border

The CSS property to change the border of an element to Yxy 36.4841, 0.2704, 0.4198 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(73, 182, 130) }
```

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

```
.border{ border-color:rgb(73, 182, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 182, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 130);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4841, 0.2704, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 130) }
```

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

```
.background{ background-color: rgb(73, 182,  
130) }
```

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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