

Converting Colors

$Y_{xy}(22.3620, 0.2880, 0.4738)$

Have a look what the booklet for
Yxy(22.3620, 0.2880, 0.4738)
contains.

Yxy(22.3165, 0.2883, 0.4741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3165, 0.2883, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	399350
RGB	57, 147, 80
RGB Percent	22%, 58%, 31%
CMY	0.7764, 0.4235, 0.6862
CMYK	0.61, 0.00, 0.46, 0.42
HSL	135°, 44%, 40%
HSV	135°, 61%, 58%
XYZ	13.5707, 22.3165, 11.1841
YIQ	112.4520, -32.1330, -39.9170

Conversions

Conversions Part 2

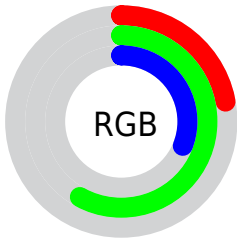
Format	Color
R _{YB}	57, 129, 147
Decimal	3773264
CIE Lab	54.36, -41.95, 27.65
CIE LCh	54, 50.241, 146.613
Yxy	22.3165, 0.2883, 0.4741
Android (android.graphics.Color)	4281963344 (0xFF399350)
YUV	112.4520, -15.9988, -48.6314
Hunter-Lab	47.2403, -31.3932, 19.0313

Details

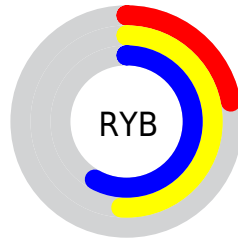
The Yxy color **22.3165, 0.2883, 0.4741** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.5879, 0.3575, 0.2209**, and the grayscale version is **16.4012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3635, 0.2962, 0.4390**, and **8.2942, 0.2823, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **21.7970, 0.2871, 0.5015**, and if you desaturate by 10%, it is **22.9893, 0.2907, 0.4464**.

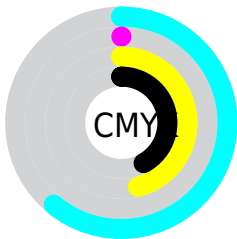
Distribution



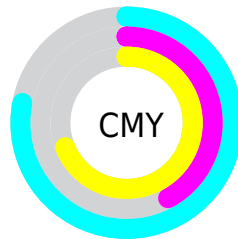
- Red (22%)
- Green (58%)
- Blue (31%)



- Red (22%)
- Yellow (51%)
- Blue (58%)



- Cyan (61%)
- Magenta (0%)
- Yellow (46%)
- Black (42%)





- Cyan (78%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3165, 0.2883, 0.4741 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 22.3165, 0.2883, 0.4741 by changing the saturation by 10% instead.


 22.3165, 0.2883,
0.4741


 22.3165, 0.2883,
0.4741


264.1947, 0.3051,
0.3874


 14.0896, 0.2816,
0.5020


 47.2685, 0.2960,
0.4384


 8.1830, 0.2707,
0.5423


 64.7625, 0.2984,
0.4263


 4.2123, 0.2512,
0.6047

 86.1143, 0.3002,
0.4166

 1.7930, 0.2136,
0.7864

 111.7084, 0.3016,
0.4086

 0.4828, 0.0000,
1.0000

 141.9290, 0.3027,
0.4020

 0.0000, 0.0000,
0.0000

177.1607, 0.3037,

0.3964

217.7878, 0.3045,
0.3916

■ 22.3165, 0.2883,
0.4741

■ 22.3165, 0.2883,
0.4741

■ 21.7970, 0.2871,
0.5015

■ 22.9893, 0.2907,
0.4464

■ 21.4157, 0.2873,
0.5272

■ 23.8236, 0.2941,
0.4195

■ 21.1590, 0.2889,
0.5499

■ 24.8303, 0.2982,
0.3941

■ 21.0043, 0.2908,
0.5667

■ 26.0186, 0.3027,
0.3708

■ 27.3970, 0.3074,
0.3498

■ 28.9734, 0.3121,
0.3311

■ 30.7552, 0.3168,
0.3146

■ 32.7497, 0.3213,
0.3001

■ 34.9634, 0.3256,
0.2875

Harmonies

Analogous

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



22.3165, 0.3722, 0.4936



22.3165, 0.2883, 0.4741



22.3165, 0.2156, 0.3901

Triad

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



22.3165, 0.2883, 0.4741



22.3165, 0.1847, 0.2001



22.3165, 0.4752, 0.3304

Complementary

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



22.3165, 0.2883, 0.4741



10.5879, 0.3575, 0.2209

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.



22.3165, 0.4093, 0.2721



22.3165, 0.2883, 0.4741



22.3165, 0.2366, 0.2008

Square

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



22.3165, 0.2883, 0.4741



22.3165, 0.1634, 0.2290



22.3165, 0.3173, 0.2264



22.3165, 0.4862, 0.3938

Rectangle

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



22.3165, 0.2883, 0.4741



22.3165, 0.1832, 0.3237



22.3165, 0.3173, 0.2264



22.3165, 0.4586, 0.3101

Sweetspot

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



22.3174, 0.2883, 0.4741



47.2605, 0.3040, 0.3647



25.4860, 0.3704, 0.4826



10.6449, 0.3028, 0.3705



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.3174, 0.2883, 0.4741



38.7843, 0.2870, 0.5102



23.2061, 0.2552, 0.3750



6.4913, 0.3084, 0.3459



18.2134, 0.2905, 0.5658



0.2271, 0.2693, 0.4893

Inverse Universe

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



10.5879, 0.3575, 0.2209



15.9188, 0.3708, 0.2055



9.7044, 0.4494, 0.2922



5.8841, 0.3174, 0.3127



6.3474, 0.3961, 0.1956



0.0825, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 22.3165, 0.2883, 0.4741 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3165, 0.2883, 0.4741 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 × Fail

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

Yxy 22.3165, 0.2883, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 22.3165, 0.2883, 0.4741.



This preview shows how white text looks on a background with the Yxy color 22.3165, 0.2883, 0.4741.

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

22.3165, 0.2883, 0.4741

Protanopia

21.9323, 0.3915, 0.4249

Deuteranopia

22.0558, 0.3977, 0.3915



Tritanopia

22.2450, 0.2463, 0.3079

Trichromacy



Original Color

22.3165, 0.2883, 0.4741

Protanomaly

21.5096, 0.3451, 0.4455

Deuteranomaly

21.0646, 0.3488, 0.4208

Tritanomaly

22.1288, 0.2612, 0.3636

Monochromacy



Original Color

22.3165, 0.2883, 0.4741

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.8626, 0.3010, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3165, 0.2883, 0.4741 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(57, 147, 80)` looks like.

```
.text, #text, p{  
    color:rgb(57, 147, 80)  
}
```

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(57, 147, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 147, 80) }
```

Border

The CSS property to change the border of an element to Yxy 22.3165, 0.2883, 0.4741 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(57, 147, 80) }
```

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

```
.border{ border-color:rgb(57, 147, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 147, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 147, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 147, 80);  
box-shadow:4px 4px 4px 4px rgb(57, 147,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3165, 0.2883, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 147, 80) }
```

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

```
.background{ background-color: rgb(57, 147,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor