

Converting Colors

$Y_{xy}(21.3058, 0.3055, 0.4168)$

Have a look what the booklet for
Yxy(21.3058, 0.3055, 0.4168)
contains.

| | |
|--|----|
| Yxy(21.2785, 0.3055, 0.4176) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(21.2785, 0.3055, 0.4176)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5C8A5F |
| RGB | 92, 138, 95 |
| RGB Percent | 36%, 54%, 37% |
| CMY | 0.6392, 0.4588, 0.6275 |
| CMYK | 0.33, 0.00, 0.31, 0.46 |
| HSL | 124°, 20%, 45% |
| HSV | 124°, 33%, 54% |
| XYZ | 15.5665, 21.2785, 14.1092 |
| YIQ | 119.3440, -13.6130, -23.1250 |

Conversions

Conversions Part 2

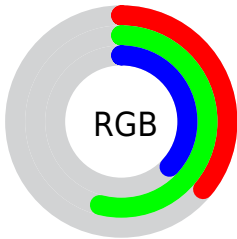
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 92, 135, 138 |
| Decimal | 6064735 |
| CIE _{Lab} | 53.25, -24.94, 18.19 |
| CIE _{LCh} | 53, 30.874, 143.891 |
| Yxy | 21.2785, 0.3055, 0.4176 |
| Android (android.graphics.Color) | 4284254815 (0xFF5C8A5F) |
| YUV | 119.3440, -12.0016, -23.9807 |
| Hunter-Lab | 46.1286, -20.4886, 14.1552 |

Details

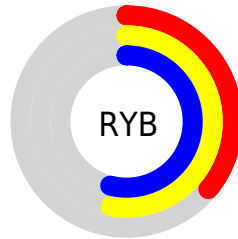
The Yxy color **21.2785, 0.3055, 0.4176** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8065, 0.3205, 0.2540**, and the grayscale version is **18.6041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7039, 0.3080, 0.3961**, and **7.7064, 0.2998, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **20.4168, 0.3033, 0.4497**, and if you desaturate by 10%, it is **22.3104, 0.3077, 0.3877**.

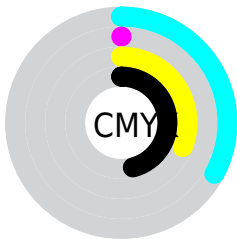
Distribution



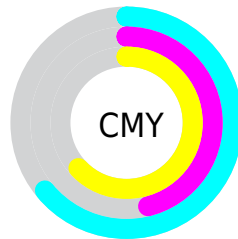
- Red (36%)
- Green (54%)
- Blue (37%)



- Red (36%)
- Yellow (53%)
- Blue (54%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (46%)




- Cyan (64%)
- Magenta (46%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2785, 0.3055, 0.4176 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 21.2785, 0.3055, 0.4176 by changing the saturation by 10% instead.


 21.2785, 0.3055,
0.4176


 21.2785, 0.3055,
0.4176

258.7549, 0.3108,
0.3654


 13.3277, 0.3032,
0.4342


 45.5506, 0.3080,
0.3962


 7.6546, 0.2995,
0.4584


 62.6407, 0.3087,
0.3890

 3.8747, 0.2924,
0.4964

 83.5460, 0.3093,
0.3831

 1.6037, 0.2894,
0.5907

 108.6509, 0.3097,
0.3783

 0.3601, 0.0000,
1.0000

138.3399, 0.3101,
0.3743

 0.0000, 0.0000,
0.0000

172.9973, 0.3104,

0.3709

213.0075, 0.3106,
0.3679

■ 21.2785, 0.3055,
0.4176

■ 21.2785, 0.3055,
0.4176

■ 20.4168, 0.3033,
0.4497

■ 22.3104, 0.3077,
0.3877

■ 19.7136, 0.3014,
0.4827

■ 23.5180, 0.3099,
0.3605

■ 19.1599, 0.2998,
0.5150


■ 24.9100, 0.3120,
0.3364


■ 18.7451, 0.2988,
0.5444


■ 26.4936, 0.3140,
0.3152

■ 18.4567, 0.2984,
0.5687

■ 28.2758, 0.3158,
0.2968


 18.2800, 0.2986,
0.5862

 30.2630, 0.3175,
0.2809

 18.1981, 0.2984,
0.5942

 32.4616, 0.3190,
0.2671

 34.8776, 0.3204,
0.2553

 37.5165, 0.3216,
0.2450

Harmonies

Analogous

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



21.2785, 0.3602, 0.4309



21.2785, 0.3055, 0.4176



21.2785, 0.2554, 0.3721

Triad

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



21.2785, 0.3055, 0.4176



21.2785, 0.2252, 0.2449



21.2785, 0.4117, 0.3303

Complementary

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



21.2785, 0.3055, 0.4176



14.8065, 0.3205, 0.2540

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.



21.2785, 0.3689, 0.2893



21.2785, 0.3055, 0.4176



21.2785, 0.2601, 0.2420

Square

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



21.2785, 0.3055, 0.4176



21.2785, 0.2121, 0.2695



21.2785, 0.3120, 0.2580



21.2785, 0.4245, 0.3739

Rectangle

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



21.2785, 0.3055, 0.4176



21.2785, 0.2309, 0.3337



21.2785, 0.3120, 0.2580



21.2785, 0.4002, 0.3160

Sweetspot

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



21.2794, 0.3055, 0.4176



42.1828, 0.3106, 0.3527



24.1606, 0.3583, 0.4098



9.3970, 0.3103, 0.3557



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.2794, 0.3055, 0.4176



36.3362, 0.3039, 0.4416



21.7449, 0.2850, 0.3704



5.6132, 0.3108, 0.3501



16.6846, 0.2983, 0.5939



0.1114, 0.2908, 0.5667

Inverse Universe

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



14.8065, 0.3205, 0.2540



23.1109, 0.3225, 0.2376



14.2424, 0.3533, 0.2913



5.1235, 0.3146, 0.3088



6.4088, 0.3374, 0.1633



0.0434, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 21.2785, 0.3055, 0.4176 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 21.2785, 0.3055, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

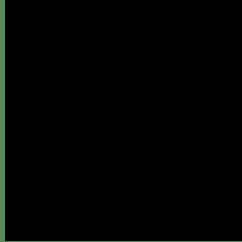
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2785, 0.3055, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 21.2785, 0.3055, 0.4176.



This preview shows how white text looks on a background with the Yxy color 21.2785, 0.3055, 0.4176.

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

21.2785, 0.3055, 0.4176

Protanopia

21.2353, 0.3677, 0.3953

Deuteranopia

21.1158, 0.3740, 0.3686



Tritanopia

21.2524, 0.2695, 0.3083

Trichromacy



Original Color

21.2785, 0.3055, 0.4176

Protanomaly

21.0703, 0.3432, 0.4033

Deuteranomaly

20.9094, 0.3465, 0.3848

Tritanomaly

21.1532, 0.2823, 0.3446

Monochromacy



Original Color

21.2785, 0.3055, 0.4176

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2987, 0.3100, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2785, 0.3055, 0.4176 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(92, 138, 95)` looks like.

```
.text, #text, p{  
    color:rgb(92, 138, 95)  
}
```

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(92, 138, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 138, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.2785, 0.3055, 0.4176 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(92, 138, 95) }
```

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

```
.border{ border-color:rgb(92, 138, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 138, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 138, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 138, 95);  
box-shadow:4px 4px 4px 4px rgb(92, 138,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2785, 0.3055, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 138, 95) }
```

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

```
.background{ background-color: rgb(92, 138,  
95) }
```

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