

Converting Colors

$Y_{xy}(20.5416, 0.3005, 0.4373)$

Have a look what the booklet for
Yxy(20.5416, 0.3005, 0.4373)
contains.

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Color

$Y_{xy}(20.5706, 0.3008, 0.4383)$

Conversions

Conversions Part 1

Format	Color
Hex	508A57
RGB	80, 138, 87
RGB Percent	31%, 54%, 34%
CMY	0.6863, 0.4588, 0.6588
CMYK	0.42, 0.00, 0.37, 0.46
HSL	127°, 27%, 43%
HSV	127°, 42%, 54%
XYZ	14.1174, 20.5706, 12.2447
YIQ	114.8440, -18.1970, -28.1570

Conversions

Conversions Part 2

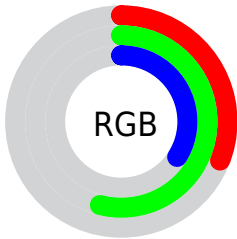
Format	Color
R_{YB}	80, 132, 138
Decimal	5278295
CIE _{Lab}	52.48, -30.36, 21.53
CIE _{LCh}	52, 37.219, 144.665
Yxy	20.5706, 0.3008, 0.4383
Android (android.graphics.Color)	4283468375 (0xFF508A57)
YUV	114.8440, -13.7271, -30.5582
Hunter-Lab	45.3548, -23.8102, 15.7415

Details

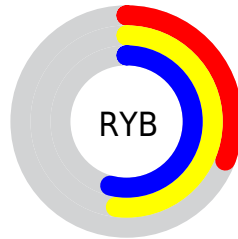
The Yxy color $20.5706, 0.3008, 0.4383$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.7796, 0.3277, 0.2400$, and the grayscale version is $17.1418, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4110, 0.3050, 0.4120$, and $7.2234, 0.2901, 0.4888$ is the 20% darker color. If you saturate the color by 10%, you get $19.8492, 0.2985, 0.4696$, and if you desaturate by 10%, it is $21.4504, 0.3035, 0.4083$.

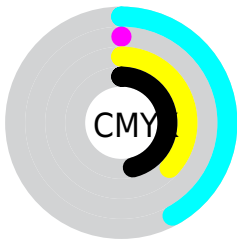
Distribution



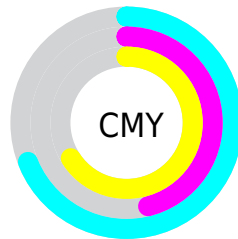
- Red (31%)
- Green (54%)
- Blue (34%)



- Red (31%)
- Yellow (52%)
- Blue (54%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (46%)




- Cyan (69%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5706, 0.3008, 0.4383 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 20.5706, 0.3008, 0.4383 by changing the saturation by 10% instead.


 20.5706, 0.3008,
0.4383


 20.5706, 0.3008,
0.4383


254.9876, 0.3094,
0.3731


 12.8105, 0.2971,
0.4595


 44.3718, 0.3048,
0.4114

 7.2982, 0.2910,
0.4904


 61.1817, 0.3060,
0.4023


 3.6493, 0.2795,
0.5394

 81.7769, 0.3070,
0.3950

 1.4794, 0.2787,
0.7213

 106.5419, 0.3077,
0.3890

 0.2741, 0.0000,
1.0000

 135.8611, 0.3082,
0.3841

 0.0000, 0.0000,
0.0000

170.1188, 0.3087,

0.3798

209.6995, 0.3091,
0.3762

■ 20.5706, 0.3008,
0.4383

■ 20.5706, 0.3008,
0.4383

■ 19.8492, 0.2985,
0.4696

■ 21.4504, 0.3035,
0.4083

■ 19.2744, 0.2967,
0.5010

■ 22.4947, 0.3064,
0.3806

■ 18.8368, 0.2957,
0.5305


■ 23.7120, 0.3093,
0.3555


■ 18.5248, 0.2956,
0.5563

■ 25.1099, 0.3121,
0.3332

■ 18.3249, 0.2963,
0.5766


■ 26.6953, 0.3149,
0.3136

 18.2171, 0.2968,
0.5885

 28.4748, 0.3175,
0.2966

 30.4545, 0.3199,
0.2818

 32.6406, 0.3221,
0.2690

 35.0388, 0.3241,
0.2579

Harmonies

Analogous

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



20.5706, 0.3667, 0.4538



20.5706, 0.3008, 0.4383



20.5706, 0.2415, 0.3800

Triad

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



20.5706, 0.3008, 0.4383



20.5706, 0.2091, 0.2279



20.5706, 0.4345, 0.3301

Complementary

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



20.5706, 0.3008, 0.4383



12.7796, 0.3277, 0.2400

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.



20.5706, 0.3826, 0.2823



20.5706, 0.3008, 0.4383



20.5706, 0.2504, 0.2259

Square

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



20.5706, 0.3008, 0.4383



20.5706, 0.1932, 0.2551



20.5706, 0.3129, 0.2454



20.5706, 0.4480, 0.3816

Rectangle

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



20.5706, 0.3008, 0.4383



20.5706, 0.2134, 0.3318



20.5706, 0.3129, 0.2454



20.5706, 0.4207, 0.3134

Sweetspot

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



20.5715, 0.3008, 0.4383



41.5099, 0.3089, 0.3585



23.6010, 0.3649, 0.4320



9.2126, 0.3084, 0.3632



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.



20.5715, 0.3008, 0.4383



35.0971, 0.2987, 0.4666



21.1388, 0.2755, 0.3749



5.6174, 0.3101, 0.3488



16.7032, 0.2967, 0.5881



0.1121, 0.2837, 0.5413

Inverse Universe

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



12.7796, 0.3277, 0.2400



19.5273, 0.3316, 0.2225



12.1050, 0.3752, 0.2882



5.1188, 0.3154, 0.3100



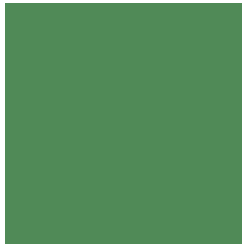
6.2286, 0.3530, 0.1718



0.0427, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 20.5706, 0.3008, 0.4383 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 20.5706, 0.3008, 0.4383 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 20.5706, 0.3008, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 20.5706, 0.3008, 0.4383.



This preview shows how white text looks on a background with the Yxy color 20.5706, 0.3008, 0.4383.

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

20.5706, 0.3008, 0.4383

Protanopia

20.4273, 0.3754, 0.4069

Deuteranopia

20.1520, 0.3844, 0.3776



Tritanopia

20.4097, 0.2610, 0.3076

Trichromacy



Original Color

20.5706, 0.3008, 0.4383

Protanomaly

20.2502, 0.3446, 0.4191

Deuteranomaly

19.8708, 0.3500, 0.3980

Tritanomaly

20.4816, 0.2754, 0.3533

Monochromacy



Original Color

20.5706, 0.3008, 0.4383

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0106, 0.3074, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5706, 0.3008, 0.4383 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(80, 138, 87)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 87)  
}
```

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(80, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 87) }
```

Border

The CSS property to change the border of an element to Yxy 20.5706, 0.3008, 0.4383 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(80, 138, 87) }
```

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

```
.border{ border-color:rgb(80, 138, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5706, 0.3008, 0.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 87) }
```

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

```
.background{ background-color: rgb(80, 138,  
87) }
```

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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