

Converting Colors

$Y_{xy}(20.2548, 0.3025, 0.4400)$

Have a look what the booklet for
Yxy(20.2548, 0.3025, 0.4400)
contains.

Yxy(20.2527, 0.3026, 0.4411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.2527, 0.3026, 0.4411)$

Conversions

Conversions Part 1

Format	Color
Hex	508955
RGB	80, 137, 85
RGB Percent	31%, 54%, 33%
CMY	0.6862, 0.4627, 0.6667
CMYK	0.42, 0.00, 0.38, 0.46
HSL	125°, 26%, 43%
HSV	125°, 42%, 54%
XYZ	13.8936, 20.2527, 11.7678
YIQ	114.0290, -17.2800, -28.2560

Conversions

Conversions Part 2

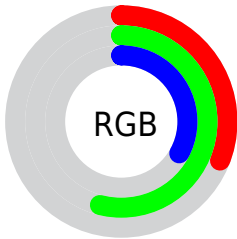
Format	Color
RYB	80, 132, 137
Decimal	5278037
CIELab	52.12, -30.24, 22.18
CIElCh	52, 37.505, 143.736
Yxy	20.2527, 0.3026, 0.4411
Android (android.graphics.Color)	4283468117 (0xFF508955)
YUV	114.0290, -14.3113, -29.8434
Hunter-Lab	45.0030, -23.6476, 15.9984

Details

The Yxy color **20.2527, 0.3026, 0.4411** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7238, 0.3246, 0.2380**, and the grayscale version is **16.8846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9164, 0.3064, 0.4138**, and **7.2241, 0.2934, 0.4950** is the 20% darker color. If you saturate the color by 10%, you get **19.5352, 0.3005, 0.4734**, and if you desaturate by 10%, it is **21.1286, 0.3050, 0.4101**.

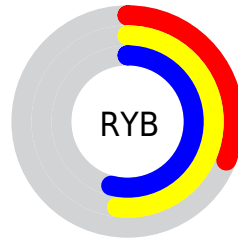
Distribution



Red (31%)

Green (54%)

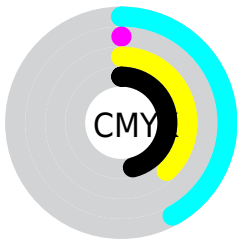
Blue (33%)



Red (31%)

Yellow (52%)

Blue (54%)

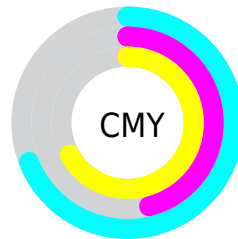


Cyan (42%)

Magenta (0%)

Yellow (38%)

Black (46%)



Cyan (69%)

Magenta (46%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2527, 0.3026, 0.4411 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 20.2527, 0.3026, 0.4411 by changing the saturation by 10% instead.

■ 20.2527, 0.3026,
0.4411

■ 20.2527, 0.3026,
0.4411

■ 253.2799, 0.3103,
0.3740

■ 12.5789, 0.2991,
0.4629

■ 43.8404, 0.3063,
0.4134

■ 7.1392, 0.2932,
0.4949

■ 60.5232, 0.3074,
0.4040

■ 3.5493, 0.2817,
0.5456

■ 80.9776, 0.3082,
0.3966

■ 1.4248, 0.2738,
0.7262

■ 105.5882, 0.3088,
0.3904

■ 0.2349, 0.0000,
1.0000

■ 134.7393, 0.3093,
0.3853

■ 0.0000, 0.0000,
0.0000

168.8154, 0.3097,

0.3810

208.2008, 0.3100,
0.3773

■ 20.2527, 0.3026,
0.4411

■ 20.2527, 0.3026,
0.4411

■ 19.5352, 0.3005,
0.4734

■ 21.1286, 0.3050,
0.4101

■ 18.9644, 0.2988,
0.5055

■ 22.1689, 0.3075,
0.3814

■ 18.5307, 0.2977,
0.5355


■ 23.3824, 0.3100,
0.3554


■ 18.2225, 0.2973,
0.5611


■ 24.7765, 0.3123,
0.3324

■ 18.0265, 0.2977,
0.5807

■ 26.3581, 0.3146,
0.3122

 17.9185, 0.2978,
0.5921

 28.1339, 0.3167,
0.2947

 30.1100, 0.3186,
0.2795

 32.2927, 0.3204,
0.2664

 34.6874, 0.3220,
0.2550

Harmonies

Analogous

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



20.2527, 0.3692, 0.4551



20.2527, 0.3026, 0.4411



20.2527, 0.2422, 0.3829

Triad

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



20.2527, 0.3026, 0.4411



20.2527, 0.2071, 0.2272



20.2527, 0.4349, 0.3284

Complementary

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



20.2527, 0.3026, 0.4411



12.7238, 0.3246, 0.2380

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.



20.2527, 0.3814, 0.2803



20.2527, 0.3026, 0.4411



20.2527, 0.2480, 0.2245

Square

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



20.2527, 0.3026, 0.4411



20.2527, 0.1918, 0.2554



20.2527, 0.3107, 0.2436



20.2527, 0.4499, 0.3805

Rectangle

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



20.2527, 0.3026, 0.4411



20.2527, 0.2133, 0.3339



20.2527, 0.3107, 0.2436



20.2527, 0.4206, 0.3116

Sweetspot

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



20.2535, 0.3026, 0.4411



41.7178, 0.3098, 0.3571



23.3973, 0.3667, 0.4301



9.3019, 0.3095, 0.3597



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.



20.2535, 0.3026, 0.4411



35.0402, 0.3006, 0.4718



20.7959, 0.2775, 0.3784



5.6149, 0.3105, 0.3495



16.6913, 0.2977, 0.5919



0.1117, 0.2879, 0.5563

Inverse Universe

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



12.7238, 0.3246, 0.2380



19.6398, 0.3278, 0.2191



12.0517, 0.3709, 0.2852



5.1216, 0.3149, 0.3093



6.3351, 0.3435, 0.1666



0.0431, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 20.2527, 0.3026, 0.4411 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 20.2527, 0.3026, 0.4411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

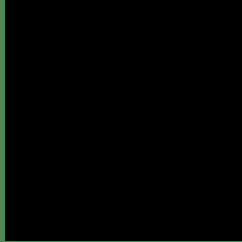
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2527, 0.3026, 0.4411

Background



This preview shows how black text looks on a background with the Yxy color 20.2527, 0.3026, 0.4411.



This preview shows how white text looks on a background with the Yxy color 20.2527, 0.3026, 0.4411.

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

20.2527, 0.3026, 0.4411

Protanopia

20.1454, 0.3783, 0.4087

Deuteranopia

20.1180, 0.3869, 0.3810



Tritanopia

20.1125, 0.2616, 0.3075

Trichromacy



Original Color

20.2527, 0.3026, 0.4411

Protanomaly

19.9545, 0.3472, 0.4213

Deuteranomaly

19.8372, 0.3522, 0.4018

Tritanomaly

20.1818, 0.2761, 0.3534

Monochromacy



Original Color

20.2527, 0.3026, 0.4411

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7231, 0.3096, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2527, 0.3026, 0.4411 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, 137, 85)` looks like.

```
.text, #text, p{  
  color:rgb(80, 137, 85)  
}
```

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, 137, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 137, 85) }
```

Border

The CSS property to change the border of an element to Yxy 20.2527, 0.3026, 0.4411 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, 137, 85) }
```

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

```
.border{ border-color:rgb(80, 137, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 137, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 137, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 137, 85);  
box-shadow:4px 4px 4px 4px rgb(80, 137,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2527, 0.3026, 0.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 137, 85) }
```

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

```
.background{ background-color: rgb(80, 137,  
85) }
```

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