

Converting Colors

$Y_{xy}(20.3101, 0.3219, 0.4792)$

Have a look what the booklet for
Yxy(20.3101, 0.3219, 0.4792)
contains.

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Color

Yxy(20.4551, 0.3225, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	548A42
RGB	84, 138, 66
RGB Percent	33%, 54%, 26%
CMY	0.6707, 0.4588, 0.7411
CMYK	0.39, 0.00, 0.52, 0.46
HSL	105°, 35%, 40%
HSV	105°, 52%, 54%
XYZ	13.7261, 20.4551, 8.3804
YIQ	113.6460, -9.0720, -33.8400

Conversions

Conversions Part 2

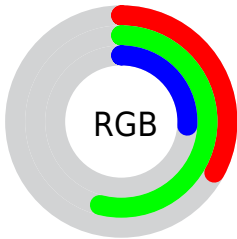
Format	Color
R_{YB}	66, 138, 120
Decimal	5540418
CIE _{Lab}	52.35, -32.28, 32.77
CIE _{LCh}	52, 45.995, 134.569
Yxy	20.4551, 0.3225, 0.4806
Android (android.graphics.Color)	4283730498 (0xFF548A42)
YUV	113.6460, -23.4895, -25.9995
Hunter-Lab	45.2273, -24.9745, 20.6730

Details

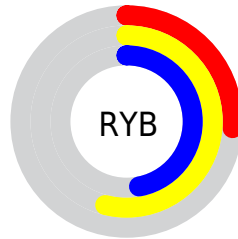
The Yxy color **20.4551, 0.3225, 0.4806** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.7295, 0.2905, 0.1978**, and the grayscale version is **16.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2786, 0.3233, 0.4429**, and **7.1671, 0.3159, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **19.8694, 0.3222, 0.5117**, and if you desaturate by 10%, it is **21.1525, 0.3218, 0.4484**.

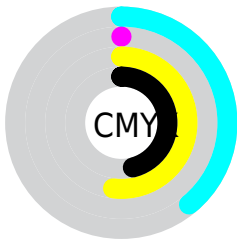
Distribution



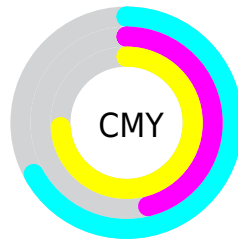
- Red (33%)
- Green (54%)
- Blue (26%)



- Red (26%)
- Yellow (54%)
- Blue (47%)



- Cyan (39%)
- Magenta (0%)
- Yellow (52%)
- Black (46%)





- Cyan (67%)
- Magenta (46%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4551, 0.3225, 0.4806 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 20.4551, 0.3225, 0.4806 by changing the saturation by 10% instead.


 20.4551, 0.3225,
0.4806

 20.4551, 0.3225,
0.4806

254.3683, 0.3206,
0.3900


 12.7263, 0.3206,
0.5094


 44.1789, 0.3231,
0.4434


 7.2403, 0.3157,
0.5503


 60.9427, 0.3229,
0.4308


 3.6129, 0.3082,
0.6223

 81.4869, 0.3225,
0.4207

 1.4594, 0.2595,
0.7405

 106.1959, 0.3221,
0.4123

 0.2599, 0.0000,
1.0000

 135.4542, 0.3217,
0.4054

 0.0000, 0.0000,
0.0000

169.6461, 0.3213,

0.3995

209.1560, 0.3209,
0.3944

■ 20.4551, 0.3225,
0.4806

■ 20.4551, 0.3225,
0.4806

■ 19.8694, 0.3222,
0.5117

■ 21.1525, 0.3218,
0.4484

■ 19.3868, 0.3206,
0.5400

■ 21.9646, 0.3204,
0.4168

■ 19.0016, 0.3180,
0.5634

■ 22.8972, 0.3183,
0.3868

■ 18.7064, 0.3143,
0.5806

■ 23.9552, 0.3159,
0.3592

■ 18.5264, 0.3114,
0.5909

■ 25.1430, 0.3133,
0.3341

■ 26.4651, 0.3106,
0.3117

■ 27.9254, 0.3079,
0.2918

■ 29.5279, 0.3053,
0.2743

■ 31.2763, 0.3028,
0.2589

Harmonies

Analogous

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



20.4551, 0.4004, 0.4750



20.4551, 0.3225, 0.4806



20.4551, 0.2462, 0.4226

Triad

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



20.4551, 0.3225, 0.4806



20.4551, 0.1790, 0.2139



20.4551, 0.4463, 0.3079

Complementary

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



20.4551, 0.3225, 0.4806



9.7295, 0.2905, 0.1978

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.



20.4551, 0.3700, 0.2556



20.4551, 0.3225, 0.4806



20.4551, 0.2171, 0.2035

Square

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



20.4551, 0.3225, 0.4806



20.4551, 0.1703, 0.2552



20.4551, 0.2840, 0.2187



20.4551, 0.4793, 0.3675

Rectangle

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



20.4551, 0.3225, 0.4806



20.4551, 0.2069, 0.3616



20.4551, 0.2840, 0.2187



20.4551, 0.4243, 0.2892

Sweetspot

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



20.4560, 0.3225, 0.4806



41.4147, 0.3170, 0.3704



19.2323, 0.4012, 0.4243



9.2161, 0.3174, 0.3753



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.



20.4560, 0.3225, 0.4806



34.8187, 0.3219, 0.5182



19.9780, 0.2909, 0.4492



5.6646, 0.3151, 0.3513



16.9903, 0.3116, 0.5908



0.1189, 0.3404, 0.5679

Inverse Universe

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



9.7295, 0.2905, 0.1978



13.6630, 0.2831, 0.1704



10.6579, 0.3479, 0.2344



5.0672, 0.3100, 0.3072



4.3648, 0.2602, 0.1207



0.0359, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 20.4551, 0.3225, 0.4806 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 20.4551, 0.3225, 0.4806 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 20.4551, 0.3225, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 20.4551, 0.3225, 0.4806.



This preview shows how white text looks on a background with the Yxy color 20.4551, 0.3225, 0.4806.

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

20.4551, 0.3225, 0.4806

Protanopia

20.0815, 0.4004, 0.4371

Deuteranopia

20.2279, 0.4140, 0.4086



Tritanopia

20.4001, 0.2679, 0.3097

Trichromacy



Original Color

20.4551, 0.3225, 0.4806

Protanomaly

19.9109, 0.3701, 0.4544

Deuteranomaly

19.8634, 0.3782, 0.4346

Tritanomaly

20.2426, 0.2884, 0.3699

Monochromacy



Original Color

20.4551, 0.3225, 0.4806

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.9125, 0.3174, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4551, 0.3225, 0.4806 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(84, 138, 66)` looks like.

```
.text, #text, p{  
    color:rgb(84, 138, 66)  
}
```

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(84, 138, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 138, 66) }
```

Border

The CSS property to change the border of an element to Yxy 20.4551, 0.3225, 0.4806 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(84, 138, 66) }
```

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

```
.border{ border-color:rgb(84, 138, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 138, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 138, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 138, 66);  
box-shadow:4px 4px 4px 4px rgb(84, 138,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4551, 0.3225, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 138, 66) }
```

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

```
.background{ background-color: rgb(84, 138,  
66) }
```

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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