

# Converting Colors

$Y_{xy}(20.5547, 0.3063, 0.4211)$

Have a look what the booklet for  
Yxy(20.5547, 0.3063, 0.4211)  
contains.

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# Color

**$\text{Yxy}(20.5547, 0.3063, 0.4211)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A885C
RGB	90, 136, 92
RGB Percent	35%, 53%, 36%
CMY	0.6471, 0.4666, 0.6392
CMYK	0.34, 0.00, 0.32, 0.47
HSL	123°, 20%, 44%
HSV	123°, 34%, 53%
XYZ	14.9511, 20.5547, 13.3061
YIQ	117.2300, -13.2920, -23.4360

# Conversions

## Conversions Part 2

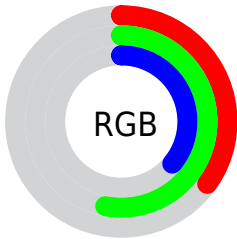
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 134, 136
Decimal	5933148
CIE <sub>Lab</sub>	52.46, -25.17, 18.78
CIE <sub>LCh</sub>	52, 31.408, 143.271
Yxy	20.5547, 0.3063, 0.4211
Android (android.graphics.Color)	4284123228 (0xFF5A885C)
YUV	117.2300, -12.4384, -23.8807
Hunter-Lab	45.3373, -20.4755, 14.3350

# Details

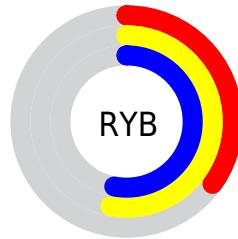
The Yxy color **20.5547, 0.3063, 0.4211** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2643, 0.3193, 0.2515**, and the grayscale version is **17.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5609, 0.3087, 0.3984**, and **7.3243, 0.2995, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **19.7268, 0.3043, 0.4539**, and if you desaturate by 10%, it is **21.5482, 0.3083, 0.3904**.

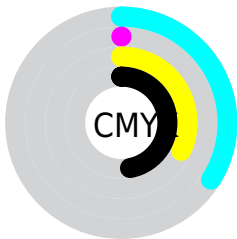
# Distribution



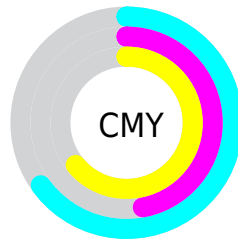
- Red (35%)
- Green (53%)
- Blue (36%)



- Red (35%)
- Yellow (53%)
- Blue (53%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (47%)




- Cyan (65%)
- Magenta (47%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5547, 0.3063, 0.4211 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 20.5547, 0.3063, 0.4211 by changing the saturation by 10% instead.





 20.5547, 0.3063,  
0.4211


 20.5547, 0.3063,  
0.4211


254.9024, 0.3112,  
0.3665


 12.7989, 0.3041,  
0.4387


 44.3452, 0.3087,  
0.3987

 7.2902, 0.3002,  
0.4643


 61.1488, 0.3094,  
0.3911


 3.6443, 0.2928,  
0.5048

 81.7370, 0.3099,  
0.3850

 1.4766, 0.2949,  
0.6253

 106.4943, 0.3103,  
0.3800

 0.2722, 0.0000,  
1.0000

 135.8051, 0.3106,  
0.3758

 0.0000, 0.0000,  
0.0000

170.0538, 0.3109,

0.3722

209.6248, 0.3111,  
0.3691

■ 20.5547, 0.3063,  
0.4211

■ 20.5547, 0.3063,  
0.4211

■ 19.7268, 0.3043,  
0.4539

■ 21.5482, 0.3083,  
0.3904

■ 19.0530, 0.3025,  
0.4875

■ 22.7128, 0.3102,  
0.3625

■ 18.5246, 0.3010,  
0.5200

■ 24.0570, 0.3121,  
0.3377

■ 18.1308, 0.2999,  
0.5491


■ 25.5879, 0.3137,  
0.3160

■ 17.8595, 0.2993,  
0.5727


■ 27.3123, 0.3153,  
0.2970


 17.6958, 0.2992,  
0.5890

 29.2366, 0.3167,  
0.2807

 17.6232, 0.2989,  
0.5960

 31.3669, 0.3179,  
0.2666

 33.7091, 0.3190,  
0.2544

 36.2689, 0.3200,  
0.2439

# Harmonies

## Analogous

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



20.5547, 0.3625, 0.4338



20.5547, 0.3063, 0.4211



20.5547, 0.2546, 0.3745

# Triad

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



20.5547, 0.3063, 0.4211



20.5547, 0.2224, 0.2430



20.5547, 0.4139, 0.3292

# Complementary

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



20.5547, 0.3063, 0.4211



14.2643, 0.3193, 0.2515

# 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.



20.5547, 0.3693, 0.2875



20.5547, 0.3063, 0.4211



20.5547, 0.2577, 0.2396

# Square

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



20.5547, 0.3063, 0.4211



20.5547, 0.2095, 0.2685



20.5547, 0.3107, 0.2557



20.5547, 0.4277, 0.3740



# Rectangle

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



20.5547, 0.3063, 0.4211



20.5547, 0.2293, 0.3350



20.5547, 0.3107, 0.2557



20.5547, 0.4019, 0.3146

# Sweetspot

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



20.5556, 0.3063, 0.4211



40.8439, 0.3109, 0.3532



23.4551, 0.3599, 0.4106



9.3937, 0.3107, 0.3563



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.



20.5556, 0.3063, 0.4211



35.0241, 0.3047, 0.4474



21.0097, 0.2853, 0.3726



5.6116, 0.3111, 0.3505



16.6785, 0.2989, 0.5959



0.1112, 0.2936, 0.5770



# Inverse Universe

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



14.2643, 0.3193, 0.2515



22.0951, 0.3210, 0.2337



13.7015, 0.3528, 0.2894



5.1252, 0.3143, 0.3084



6.4800, 0.3319, 0.1602



0.0436, 0.3260, 0.1569



# Previews

## White Background



This preview shows how the Yxy color 20.5547, 0.3063, 0.4211 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 20.5547, 0.3063, 0.4211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

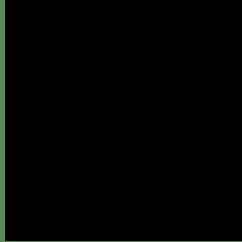
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.5547, 0.3063, 0.4211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 20.5547, 0.3063, 0.4211.



This preview shows how white text looks on a background with the Yxy color 20.5547, 0.3063, 0.4211.

# 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

20.5547, 0.3063, 0.4211

### Protanopia

20.5062, 0.3697, 0.3980

### Deuteranopia

20.3885, 0.3762, 0.3708



## Tritanopia

20.5114, 0.2698, 0.3098

# Trichromacy



## Original Color

20.5547, 0.3063, 0.4211

## Protanomaly

20.3437, 0.3447, 0.4063

## Deuteranomaly

20.1836, 0.3481, 0.3875

## Tritanomaly

20.4194, 0.2828, 0.3468

# Monochromacy



## Original Color

20.5547, 0.3063, 0.4211

## Achromatopsia

17.7888, 0.3127, 0.3290

## Achromatomaly

18.6238, 0.3100, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.5547, 0.3063, 0.4211 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(90, 136, 92)` looks like.

```
.text, #text, p{  
    color:rgb(90, 136, 92)  
}
```

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(90, 136, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 136, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 20.5547, 0.3063, 0.4211 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(90, 136, 92) }
```

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

```
.border{ border-color:rgb(90, 136, 92) }
```

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

Here you see how a box with a 4 pixel rgb(90, 136, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 136, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 136, 92);  
box-shadow:4px 4px 4px 4px rgb(90, 136,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.5547, 0.3063, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 136, 92) }
```

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

```
.background{ background-color: rgb(90, 136,  
92) }
```

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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