

Converting Colors

$Y_{xy}(21.1276, 0.2862, 0.3924)$

Have a look what the booklet for
Yxy(21.1276, 0.2862, 0.3924)
contains.

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Color

Yxy(21.1233, 0.2868, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	548A6B
RGB	84, 138, 107
RGB Percent	33%, 54%, 42%
CMY	0.6705, 0.4588, 0.5804
CMYK	0.39, 0.00, 0.22, 0.46
HSL	146°, 24%, 44%
HSV	146°, 39%, 54%
XYZ	15.3995, 21.1233, 17.1714
YIQ	118.3200, -22.2330, -21.0890

Conversions

Conversions Part 2

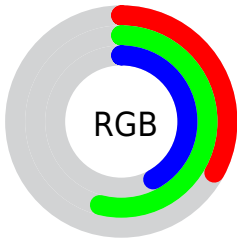
Format	Color
R_{YB}	84, 122, 138
Decimal	5540459
CIE _{Lab}	53.08, -25.20, 11.06
CIE _{LCh}	53, 27.516, 156.310
Yxy	21.1233, 0.2868, 0.3934
Android (android.graphics.Color)	4283730539 (0xFF548A6B)
YUV	118.3200, -5.5808, -30.0986
Hunter-Lab	45.9601, -20.6215, 10.0204

Details

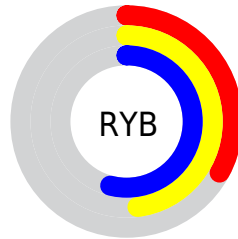
The Yxy color $21.1233, 0.2868, 0.3934$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.9867, 0.3520, 0.2729$, and the grayscale version is $18.2472, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4021, 0.2935, 0.3789$, and $7.6458, 0.2743, 0.4224$ is the 20% darker color. If you saturate the color by 10%, you get $20.3894, 0.2817, 0.4136$, and if you desaturate by 10%, it is $21.9998, 0.2928, 0.3746$.

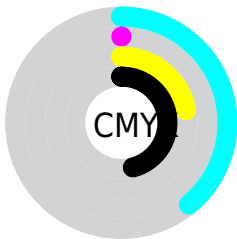
Distribution



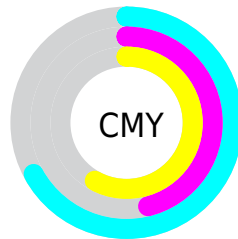
- Red (33%)
- Green (54%)
- Blue (42%)



- Red (33%)
- Yellow (48%)
- Blue (54%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (46%)





- Cyan (67%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1233, 0.2868, 0.3934 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 21.1233, 0.2868, 0.3934 by changing the saturation by 10% instead.


 21.1233, 0.2868,
0.3934


 21.1233, 0.2868,
0.3934


257.9330, 0.3021,
0.3556


 13.2142, 0.2819,
0.4054


 45.2926, 0.2931,
0.3780


 7.5762, 0.2747,
0.4228


 62.3216, 0.2952,
0.3727

 3.8250, 0.2633,
0.4503

 83.1594, 0.2969,
0.3685

 1.5761, 0.2424,
0.5016

 108.1903, 0.2983,
0.3650

 0.3414, 0.0000,
1.0000

 137.7987, 0.2995,
0.3621

 0.0000, 0.0000,
0.0000

172.3690, 0.3005,

0.3596

212.2857, 0.3014,
0.3575

■ 21.1233, 0.2868,
0.3934

■ 21.1233, 0.2868,
0.3934

■ 20.3894, 0.2817,
0.4136

■ 21.9998, 0.2928,
0.3746

■ 19.7875, 0.2777,
0.4348

■ 23.0234, 0.2994,
0.3574

■ 19.3100, 0.2752,
0.4567


■ 24.2016, 0.3063,
0.3418


■ 18.9473, 0.2744,
0.4784


■ 25.5408, 0.3133,
0.3278

■ 18.6880, 0.2755,
0.4993


■ 27.0468, 0.3204,
0.3154

 18.5048, 0.2778,
0.5190

 28.7253, 0.3272,
0.3045

 18.4896, 0.2780,
0.5207

 30.5817, 0.3339,
0.2949

 32.6210, 0.3403,
0.2865

 34.8481, 0.3463,
0.2792

Harmonies

Analogous

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



21.1233, 0.3359, 0.4185



21.1233, 0.2868, 0.3934



21.1233, 0.2467, 0.3465

Triad

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



21.1233, 0.2868, 0.3934



21.1233, 0.2447, 0.2498



21.1233, 0.4095, 0.3473

Complementary

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



21.1233, 0.2868, 0.3934



12.9867, 0.3520, 0.2729

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.



21.1233, 0.3812, 0.3082



21.1233, 0.2868, 0.3934



21.1233, 0.2836, 0.2543

Square

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



21.1233, 0.2868, 0.3934



21.1233, 0.2242, 0.2642



21.1233, 0.3337, 0.2752



21.1233, 0.4088, 0.3855

Rectangle

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



21.1233, 0.2868, 0.3934



21.1233, 0.2297, 0.3133



21.1233, 0.3337, 0.2752



21.1233, 0.4030, 0.3340

Sweetspot

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



21.1242, 0.2868, 0.3934



41.9765, 0.3041, 0.3465



22.4970, 0.3420, 0.4316



9.3643, 0.3034, 0.3481



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.



21.1242, 0.2868, 0.3934



36.0715, 0.2822, 0.4113



21.7703, 0.2640, 0.3377



5.6412, 0.3063, 0.3418



16.9553, 0.2778, 0.5201



0.1155, 0.2549, 0.4378

Inverse Universe

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



12.9867, 0.3520, 0.2729



19.6151, 0.3647, 0.2604



12.4612, 0.3975, 0.3209



5.0936, 0.3197, 0.3165



5.4785, 0.4598, 0.2306



0.0393, 0.3864, 0.1902

Previews

White Background



This preview shows how the Yxy color 21.1233, 0.2868, 0.3934 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 21.1233, 0.2868, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

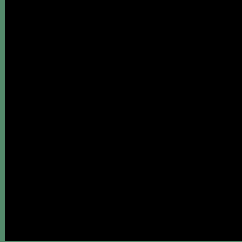
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1233, 0.2868, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 21.1233, 0.2868, 0.3934.



This preview shows how white text looks on a background with the Yxy color 21.1233, 0.2868, 0.3934.

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

21.1233, 0.2868, 0.3934

Protanopia

20.9296, 0.3514, 0.3745

Deuteranopia

20.9961, 0.3538, 0.3482



Tritanopia

21.0640, 0.2607, 0.3079

Trichromacy



Original Color

21.1233, 0.2868, 0.3934

Protanomaly

20.6575, 0.3255, 0.3813

Deuteranomaly

20.7017, 0.3254, 0.3630

Tritanomaly

21.0905, 0.2695, 0.3368

Monochromacy



Original Color

21.1233, 0.2868, 0.3934

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9463, 0.3022, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1233, 0.2868, 0.3934 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(84, 138, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 138, 107) }
```

Border

The CSS property to change the border of an element to Yxy 21.1233, 0.2868, 0.3934 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, 107) }
```

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

```
.border{ border-color:rgb(84, 138, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 138, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 138, 107);  
box-shadow:4px 4px 4px 4px rgb(84, 138,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1233, 0.2868, 0.3934 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, 107) }
```

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

```
.background{ background-color: rgb(84, 138,  
107) }
```

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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