

Converting Colors

$Y_{xy}(21.2768, 0.3093, 0.4236)$

Have a look what the booklet for
Yxy(21.2768, 0.3093, 0.4236)
contains.

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Color

Yxy(21.2768, 0.3093, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	5D8A5C
RGB	93, 138, 92
RGB Percent	36%, 54%, 36%
CMY	0.6352, 0.4588, 0.6392
CMYK	0.33, 0.00, 0.33, 0.46
HSL	119°, 20%, 45%
HSV	119°, 33%, 54%
XYZ	15.5357, 21.2768, 13.4160
YIQ	119.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

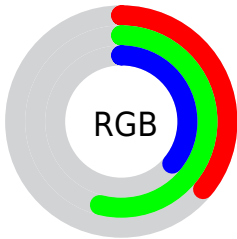
Format	Color
R_{YB}	92, 138, 137
Decimal	6130268
CIE _{Lab}	53.25, -25.12, 19.88
CIE _{LCh}	53, 32.029, 141.642
Yxy	21.2768, 0.3093, 0.4236
Android (android.graphics.Color)	4284320348 (0xFF5D8A5C)
YUV	119.3010, -13.4594, -23.0660
Hunter-Lab	46.1268, -20.6024, 15.0442

Details

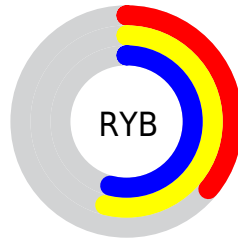
The Yxy color **21.2768, 0.3093, 0.4236** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8102, 0.3151, 0.2491**, and the grayscale version is **18.5960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7022, 0.3109, 0.4005**, and **7.7044, 0.3048, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **20.4144, 0.3079, 0.4575**, and if you desaturate by 10%, it is **22.3094, 0.3105, 0.3917**.

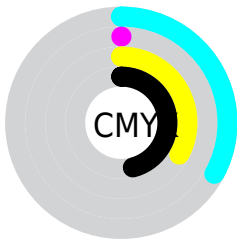
Distribution



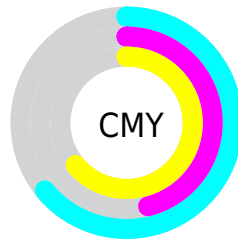
- Red (36%)
- Green (54%)
- Blue (36%)



- Red (36%)
- Yellow (54%)
- Blue (54%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (46%)



- Cyan (64%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2768, 0.3093, 0.4236 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 21.2768, 0.3093, 0.4236 by changing the saturation by 10% instead.

■ 21.2768, 0.3093,
0.4236

■ 21.2768, 0.3093,
0.4236

258.7459, 0.3126,
0.3678

■ 13.3265, 0.3075,
0.4414

■ 45.5478, 0.3111,
0.4008

■ 7.6537, 0.3043,
0.4671

■ 62.6372, 0.3115,
0.3930

■ 3.8742, 0.2978,
0.5075

■ 83.5418, 0.3119,
0.3868

■ 1.6034, 0.3014,
0.6185

■ 108.6459, 0.3121,
0.3816

■ 0.3599, 0.0000,
1.0000

138.3340, 0.3123,
0.3773

■ 0.0000, 0.0000,
0.0000

172.9904, 0.3124,

0.3737

212.9996, 0.3125,
0.3705

■ 21.2768, 0.3093,
0.4236

■ 21.2768, 0.3093,
0.4236

■ 20.4144, 0.3079,
0.4575

■ 22.3094, 0.3105,
0.3917

■ 19.7105, 0.3064,
0.4921

■ 23.5177, 0.3116,
0.3627

■ 19.1563, 0.3049,
0.5252

■ 24.9103, 0.3125,
0.3369

■ 18.7409, 0.3034,
0.5543


■ 26.4946, 0.3132,
0.3142


■ 18.4521, 0.3020,
0.5771


■ 28.2774, 0.3138,
0.2946


 18.2754, 0.3010,
0.5920

 30.2652, 0.3143,
0.2776

 18.1963, 0.3007,
0.5995

 32.4643, 0.3147,
0.2630

 34.8806, 0.3150,
0.2504

 37.5199, 0.3153,
0.2395

Harmonies

Analogous

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



21.2768, 0.3657, 0.4343



21.2768, 0.3093, 0.4236



21.2768, 0.2566, 0.3781

Triad

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



21.2768, 0.3093, 0.4236



21.2768, 0.2204, 0.2431



21.2768, 0.4130, 0.3267

Complementary

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



21.2768, 0.3093, 0.4236



14.8102, 0.3151, 0.2491

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.



21.2768, 0.3668, 0.2851



21.2768, 0.3093, 0.4236



21.2768, 0.2548, 0.2386

Square

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



21.2768, 0.3093, 0.4236



21.2768, 0.2087, 0.2700



21.2768, 0.3075, 0.2539



21.2768, 0.4288, 0.3718

Rectangle

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



21.2768, 0.3093, 0.4236



21.2768, 0.2304, 0.3382



21.2768, 0.3075, 0.2539



21.2768, 0.4003, 0.3121

Sweetspot

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



21.2777, 0.3093, 0.4236



42.1820, 0.3119, 0.3543



23.9165, 0.3618, 0.4066



9.3968, 0.3118, 0.3575



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.



21.2777, 0.3093, 0.4236



36.3328, 0.3083, 0.4490



21.6560, 0.2885, 0.3783



5.6131, 0.3120, 0.3515



16.6843, 0.3007, 0.5995



0.1114, 0.3039, 0.5969

Inverse Universe

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



14.8102, 0.3151, 0.2491



23.1121, 0.3155, 0.2316



14.3335, 0.3474, 0.2846



5.1235, 0.3134, 0.3074



6.4064, 0.3157, 0.1513



0.0434, 0.3185, 0.1528

Previews

White Background



This preview shows how the Yxy color 21.2768, 0.3093, 0.4236 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 21.2768, 0.3093, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

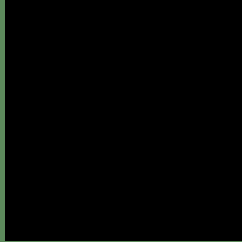
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2768, 0.3093, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 21.2768, 0.3093, 0.4236.



This preview shows how white text looks on a background with the Yxy color 21.2768, 0.3093, 0.4236.

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

21.2768, 0.3093, 0.4236

Protanopia

21.1852, 0.3711, 0.4006

Deuteranopia

20.9088, 0.3796, 0.3719



Tritanopia

21.2803, 0.2713, 0.3102

Trichromacy



Original Color

21.2768, 0.3093, 0.4236

Protanomaly

21.0188, 0.3464, 0.4090

Deuteranomaly

20.6721, 0.3516, 0.3885

Tritanomaly

21.1581, 0.2851, 0.3485

Monochromacy



Original Color

21.2768, 0.3093, 0.4236

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.3408, 0.3123, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2768, 0.3093, 0.4236 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(93, 138, 92)` looks like.

```
.text, #text, p{  
    color:rgb(93, 138, 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(93, 138, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 138, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.2768, 0.3093, 0.4236 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(93, 138, 92) }
```

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

```
.border{ border-color:rgb(93, 138, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 138, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 138, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 138, 92);  
box-shadow:4px 4px 4px 4px rgb(93, 138,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2768, 0.3093, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 138, 92) }
```

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

```
.background{ background-color: rgb(93, 138,  
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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