

Converting Colors

$Y_{xy}(21.0558, 0.3083, 0.4155)$

Have a look what the booklet for
Yxy(21.0558, 0.3083, 0.4155)
contains.

Yxy(21.0972, 0.3076, 0.4153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0972, 0.3076, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	5E895F
RGB	94, 137, 95
RGB Percent	37%, 54%, 37%
CMY	0.6314, 0.4627, 0.6274
CMYK	0.31, 0.00, 0.31, 0.46
HSL	121°, 19%, 45%
HSV	121°, 31%, 54%
XYZ	15.6261, 21.0972, 14.0767
YIQ	119.3550, -12.1460, -22.1780

Conversions

Conversions Part 2

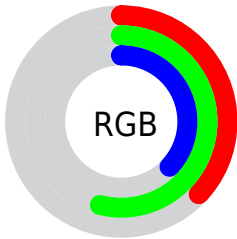
Format	Color
R _{YB}	94, 136, 137
Decimal	6195551
CIE Lab	53.06, -23.74, 17.93
CIE LCh	53, 29.755, 142.939
Yxy	21.0972, 0.3076, 0.4153
Android (android.graphics.Color)	4284385631 (0xFF5E895F)
YUV	119.3550, -12.0070, -22.2363
Hunter-Lab	45.9317, -19.6544, 13.9816

Details

The Yxy color **21.0972, 0.3076, 0.4153** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0979, 0.3176, 0.2556**, and the grayscale version is **18.6073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4479, 0.3096, 0.3945**, and **7.5877, 0.3025, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **20.2144, 0.3058, 0.4483**, and if you desaturate by 10%, it is **22.1521, 0.3094, 0.3846**.

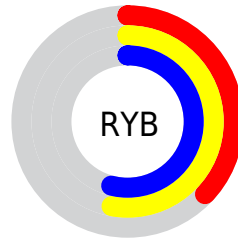
Distribution



Red (37%)

Green (54%)

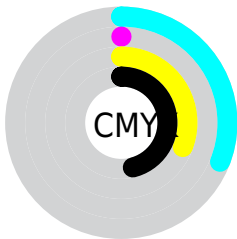
Blue (37%)



Red (37%)

Yellow (53%)

Blue (54%)

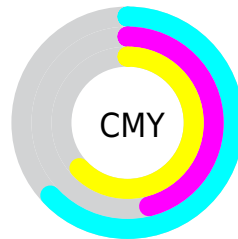


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (46%)



Cyan (63%)

Magenta (46%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0972, 0.3076, 0.4153 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 21.0972, 0.3076, 0.4153 by changing the saturation by 10% instead.

■ 21.0972, 0.3076,
0.4153

■ 21.0972, 0.3076,
0.4153

257.7946, 0.3116,
0.3644

■ 13.1951, 0.3057,
0.4315

■ 45.2492, 0.3096,
0.3945

■ 7.5630, 0.3025,
0.4550

■ 62.2680, 0.3102,
0.3874

■ 3.8166, 0.2964,
0.4920

■ 83.0943, 0.3106,
0.3817

■ 1.5715, 0.2957,
0.5852

■ 108.1127, 0.3109,
0.3770

■ 0.3383, 0.0000,
1.0000

137.7075, 0.3111,
0.3731

■ 0.0000, 0.0000,
0.0000

172.2632, 0.3113,

0.3698

212.1641, 0.3115,
0.3669

■ 21.0972, 0.3076,
0.4153

■ 21.0972, 0.3076,
0.4153

■ 20.2144, 0.3058,
0.4483

■ 22.1521, 0.3094,
0.3846

■ 19.4921, 0.3040,
0.4825

■ 23.3847, 0.3110,
0.3568

■ 18.9214, 0.3025,
0.5158


■ 24.8037, 0.3125,
0.3322

■ 18.4916, 0.3012,
0.5460

■ 26.4163, 0.3139,
0.3107


■ 18.1904, 0.3003,
0.5707


■ 28.2294, 0.3151,
0.2921


 18.0034, 0.2998,
0.5880

 30.2497, 0.3162,
0.2760

 17.9002, 0.2994,
0.5978

 32.4832, 0.3171,
0.2622

 34.9361, 0.3180,
0.2502

 37.6141, 0.3187,
0.2400

Harmonies

Analogous

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



21.0972, 0.3605, 0.4273



21.0972, 0.3076, 0.4153



21.0972, 0.2586, 0.3723

Triad

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



21.0972, 0.3076, 0.4153



21.0972, 0.2271, 0.2480



21.0972, 0.4074, 0.3291

Complementary

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



21.0972, 0.3076, 0.4153



15.0979, 0.3176, 0.2556

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.



21.0972, 0.3654, 0.2895



21.0972, 0.3076, 0.4153



21.0972, 0.2604, 0.2443

Square

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



21.0972, 0.3076, 0.4153



21.0972, 0.2151, 0.2727



21.0972, 0.3104, 0.2594



21.0972, 0.4209, 0.3715

Rectangle

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



21.0972, 0.3076, 0.4153



21.0972, 0.2344, 0.3355



21.0972, 0.3104, 0.2594



21.0972, 0.3960, 0.3152

Sweetspot

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



21.0981, 0.3076, 0.4153



42.4050, 0.3113, 0.3511



23.9593, 0.3574, 0.4046



9.4416, 0.3111, 0.3544



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.



21.0981, 0.3076, 0.4153



36.5746, 0.3063, 0.4397



21.5376, 0.2877, 0.3705



5.6100, 0.3114, 0.3510



16.6727, 0.2994, 0.5978



0.1110, 0.2965, 0.5873

Inverse Universe

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



15.0979, 0.3176, 0.2556



23.9908, 0.3188, 0.2387



14.5536, 0.3480, 0.2911



5.1270, 0.3141, 0.3079



6.5506, 0.3268, 0.1574



0.0438, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 21.0972, 0.3076, 0.4153 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 21.0972, 0.3076, 0.4153 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 21.0972, 0.3076, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 21.0972, 0.3076, 0.4153.



This preview shows how white text looks on a background with the Yxy color 21.0972, 0.3076, 0.4153.

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

21.0972, 0.3076, 0.4153

Protanopia

20.8941, 0.3669, 0.3940

Deuteranopia

20.8525, 0.3757, 0.3686



Tritanopia

21.0692, 0.2721, 0.3083

Trichromacy



Original Color

21.0972, 0.3076, 0.4153

Protanomaly

20.8029, 0.3436, 0.4016

Deuteranomaly

20.6310, 0.3480, 0.3850

Tritanomaly

20.9651, 0.2851, 0.3446

Monochromacy



Original Color

21.0972, 0.3076, 0.4153

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.3625, 0.3112, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0972, 0.3076, 0.4153 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(94, 137, 95)` looks like.

```
.text, #text, p{  
  color:rgb(94, 137, 95)  
}
```

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(94, 137, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 137, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.0972, 0.3076, 0.4153 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(94, 137, 95) }
```

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

```
.border{ border-color:rgb(94, 137, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 137, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 137, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 137, 95);  
box-shadow:4px 4px 4px 4px rgb(94, 137,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0972, 0.3076, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 137, 95) }
```

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

```
.background{ background-color: rgb(94, 137,  
95) }
```

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