

Converting Colors

$Y_{xy}(21.6920, 0.2959, 0.3815)$

Have a look what the booklet for
Yxy(21.6920, 0.2959, 0.3815)
contains.

Yxy(21.5804, 0.2956, 0.3810)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5804, 0.2956, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	61896F
RGB	97, 137, 111
RGB Percent	38%, 54%, 44%
CMY	0.6196, 0.4627, 0.5648
CMYK	0.29, 0.00, 0.19, 0.46
HSL	141°, 17%, 46%
HSV	141°, 29%, 54%
XYZ	16.7432, 21.5804, 18.3179
YIQ	122.0760, -15.4940, -16.5660

Conversions

Conversions Part 2

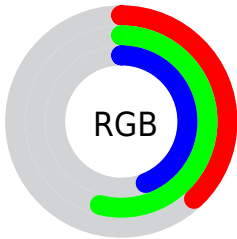
Format	Color
R_{YB}	97, 127, 137
Decimal	6392175
CIE _{Lab}	53.58, -19.62, 9.56
CIE _{LCh}	54, 21.825, 154.035
Y _{xy}	21.5804, 0.2956, 0.3810
Android (android.graphics.Color)	4284582255 (0xFF61896F)
YUV	122.0760, -5.4605, -21.9917
Hunter-Lab	46.4547, -16.9607, 9.1393

Details

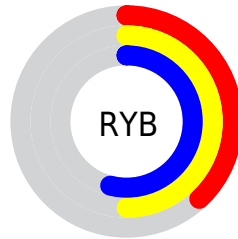
The Yxy color **21.5804, 0.2956, 0.3810** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2968, 0.3352, 0.2822**, and the grayscale version is **19.5096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2955, 0.2998, 0.3688**, and **7.8282, 0.2884, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **20.7061, 0.2904, 0.4025**, and if you desaturate by 10%, it is **22.6061, 0.3013, 0.3614**.

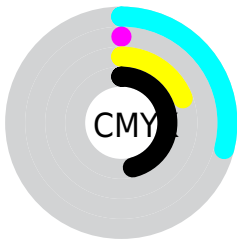
Distribution



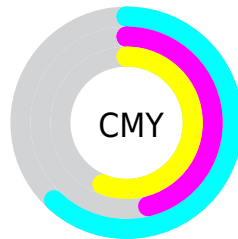
- Red (38%)
- Green (54%)
- Blue (44%)



- Red (38%)
- Yellow (50%)
- Blue (54%)



- Cyan (29%)
- Magenta (0%)
- Yellow (19%)
- Black (46%)




- Cyan (62%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5804, 0.2956, 0.3810 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 21.5804, 0.2956, 0.3810 by changing the saturation by 10% instead.


 21.5804, 0.2956,
0.3810


 21.5804, 0.2956,
0.3810


260.3471, 0.3057,
0.3508


 13.5489, 0.2924,
0.3904


 46.0515, 0.2997,
0.3688

 7.8076, 0.2877,
0.4040


 63.2599, 0.3011,
0.3646

 3.9721, 0.2802,
0.4253

 84.2961, 0.3023,
0.3612

 1.6580, 0.2665,
0.4630

 109.5444, 0.3032,
0.3584

 0.3962, 0.0000,
1.0000

139.3893, 0.3040,
0.3560

 0.0000, 0.0000,
0.0000

174.2151, 0.3046,

0.3540

214.4062, 0.3052,
0.3523

■ 21.5804, 0.2956,
0.3810

■ 21.5804, 0.2956,
0.3810

■ 20.7061, 0.2904,
0.4025

■ 22.6061, 0.3013,
0.3614

■ 19.9732, 0.2860,
0.4255

■ 23.7871, 0.3072,
0.3436

■ 19.3748, 0.2827,
0.4496

■ 25.1308, 0.3132,
0.3278

■ 18.9021, 0.2807,
0.4741

■ 26.6432, 0.3191,
0.3138

■ 18.5454, 0.2803,
0.4981

■ 28.3298, 0.3249,
0.3015

■ 18.2936, 0.2815,
0.5206

■ 30.1960, 0.3304,
0.2907

■ 18.1187, 0.2839,
0.5411

■ 32.2472, 0.3357,
0.2813

■ 18.1058, 0.2841,
0.5426

■ 34.4881, 0.3407,
0.2731

■ 36.9236, 0.3454,
0.2659

Harmonies

Analogous

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



21.5804, 0.3348, 0.3991



21.5804, 0.2956, 0.3810



21.5804, 0.2624, 0.3461

Triad

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



21.5804, 0.2956, 0.3810



21.5804, 0.2566, 0.2659



21.5804, 0.3878, 0.3422

Complementary

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



21.5804, 0.2956, 0.3810



15.2968, 0.3352, 0.2822

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.



21.5804, 0.3642, 0.3105



21.5804, 0.2956, 0.3810



21.5804, 0.2872, 0.2680

Square

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



21.5804, 0.2956, 0.3810



21.5804, 0.2411, 0.2795



21.5804, 0.3266, 0.2841



21.5804, 0.3894, 0.3729

Rectangle

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



21.5804, 0.2956, 0.3810



21.5804, 0.2476, 0.3203



21.5804, 0.3266, 0.2841



21.5804, 0.3821, 0.3314

Sweetspot

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



21.5813, 0.2956, 0.3810



42.5963, 0.3072, 0.3436



23.0163, 0.3391, 0.4030



9.4898, 0.3064, 0.3458



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.



21.5813, 0.2956, 0.3810



37.5863, 0.2921, 0.3949



22.0546, 0.2778, 0.3418



5.6352, 0.3072, 0.3435



16.8660, 0.2839, 0.5421



0.1146, 0.2609, 0.4591

Inverse Universe

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



15.2968, 0.3352, 0.2822



24.4431, 0.3418, 0.2714



14.8591, 0.3640, 0.3168



5.0998, 0.3187, 0.3149



5.6295, 0.4301, 0.2143



0.0402, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 21.5804, 0.2956, 0.3810 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 21.5804, 0.2956, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

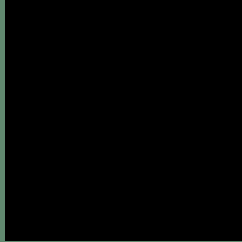
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5804, 0.2956, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 21.5804, 0.2956, 0.3810.



This preview shows how white text looks on a background with the Yxy color 21.5804, 0.2956, 0.3810.

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

21.5804, 0.2956, 0.3810

Protanopia

21.3702, 0.3465, 0.3669

Deuteranopia

21.4006, 0.3510, 0.3446



Tritanopia

21.6418, 0.2715, 0.3103

Trichromacy



Original Color

21.5804, 0.2956, 0.3810

Protanomaly

21.3803, 0.3258, 0.3724

Deuteranomaly

21.2198, 0.3294, 0.3566

Tritanomaly

21.4556, 0.2806, 0.3347

Monochromacy



Original Color

21.5804, 0.2956, 0.3810

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9975, 0.3060, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5804, 0.2956, 0.3810 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(97, 137, 111)` looks like.

```
.text, #text, p{  
    color:rgb(97, 137, 111)  
}
```

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(97, 137, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 137, 111) }
```

Border

The CSS property to change the border of an element to Yxy 21.5804, 0.2956, 0.3810 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(97, 137, 111) }
```

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

```
.border{ border-color:rgb(97, 137, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 137, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 137, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 137, 111);  
box-shadow:4px 4px 4px 4px rgb(97, 137,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5804, 0.2956, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 137, 111) }
```

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

```
.background{ background-color: rgb(97, 137,  
111) }
```

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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