

Converting Colors

$Y_{xy}(21.5137, 0.3056, 0.4059)$

Have a look what the booklet for
Yxy(21.5137, 0.3056, 0.4059)
contains.

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Color

Yxy(21.5839, 0.3050, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	608A64
RGB	96, 138, 100
RGB Percent	38%, 54%, 39%
CMY	0.6234, 0.4588, 0.6079
CMYK	0.30, 0.00, 0.28, 0.46
HSL	126°, 18%, 46%
HSV	126°, 30%, 54%
XYZ	16.2145, 21.5839, 15.3639
YIQ	121.1100, -12.8340, -20.7220

Conversions

Conversions Part 2

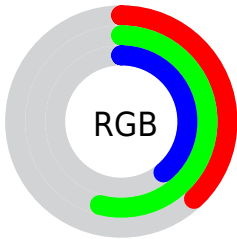
Format	Color
R_{YB}	96, 134, 138
Decimal	6326884
CIE _{Lab}	53.58, -22.62, 15.85
CIE _{LCh}	54, 27.619, 144.984
Yxy	21.5839, 0.3050, 0.4060
Android (android.graphics.Color)	4284516964 (0xFF608A64)
YUV	121.1100, -10.4072, -22.0215
Hunter-Lab	46.4585, -19.0039, 12.9136

Details

The Yxy color **21.5839, 0.3050, 0.4060** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4974, 0.3214, 0.2625**, and the grayscale version is **19.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2295, 0.3076, 0.3880**, and **7.8408, 0.2989, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **20.6768, 0.3025, 0.4366**, and if you desaturate by 10%, it is **22.6614, 0.3076, 0.3778**.

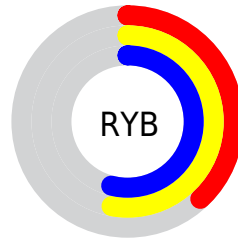
Distribution



Red (38%)

Green (54%)

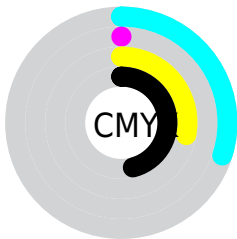
Blue (39%)



Red (38%)

Yellow (53%)

Blue (54%)

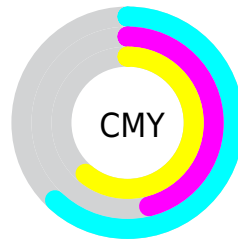


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (46%)



Cyan (62%)


Magenta (46%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5839, 0.3050, 0.4060 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 21.5839, 0.3050, 0.4060 by changing the saturation by 10% instead.


 21.5839, 0.3050,
0.4060


 21.5839, 0.3050,
0.4060


260.3655, 0.3103,
0.3609


 13.5515, 0.3029,
0.4203


 46.0573, 0.3074,
0.3876

 7.8094, 0.2996,
0.4409


 63.2671, 0.3081,
0.3813

 3.9732, 0.2936,
0.4732

 84.3048, 0.3087,
0.3763

 1.6586, 0.2863,
0.5411

 109.5547, 0.3091,
0.3721

 0.3966, 0.0000,
1.0000

139.4014, 0.3095,
0.3686

 0.0000, 0.0000,
0.0000

174.2292, 0.3098,

0.3657

214.4224, 0.3100,
0.3631

■ 21.5839, 0.3050,
0.4060

■ 21.5839, 0.3050,
0.4060

■ 20.6768, 0.3025,
0.4366

■ 22.6614, 0.3076,
0.3778

■ 19.9288, 0.3003,
0.4686

■ 23.9145, 0.3101,
0.3524

■ 19.3315, 0.2985,
0.5007


■ 25.3515, 0.3126,
0.3299

■ 18.8746, 0.2974,
0.5310


■ 26.9795, 0.3150,
0.3101

■ 18.5465, 0.2970,
0.5573

■ 28.8052, 0.3171,
0.2930


 18.3339, 0.2973,
0.5779

 30.8347, 0.3191,
0.2782

 18.2055, 0.2976,
0.5915

 33.0743, 0.3210,
0.2653

 35.5296, 0.3227,
0.2543

 38.2063, 0.3242,
0.2447

Harmonies

Analogous

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



21.5839, 0.3540, 0.4196



21.5839, 0.3050, 0.4060



21.5839, 0.2602, 0.3654

Triad

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



21.5839, 0.3050, 0.4060



21.5839, 0.2348, 0.2531



21.5839, 0.4016, 0.3322

Complementary

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



21.5839, 0.3050, 0.4060



15.4974, 0.3214, 0.2625

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.



21.5839, 0.3645, 0.2948



21.5839, 0.3050, 0.4060



21.5839, 0.2672, 0.2507

Square

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



21.5839, 0.3050, 0.4060



21.5839, 0.2221, 0.2750



21.5839, 0.3142, 0.2658



21.5839, 0.4122, 0.3716

Rectangle

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



21.5839, 0.3050, 0.4060



21.5839, 0.2385, 0.3318



21.5839, 0.3142, 0.2658



21.5839, 0.3917, 0.3192

Sweetspot

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



21.5848, 0.3050, 0.4060



42.4456, 0.3104, 0.3495



24.1312, 0.3527, 0.4031



9.4518, 0.3101, 0.3525



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.



21.5848, 0.3050, 0.4060



36.9968, 0.3034, 0.4252



22.0336, 0.2859, 0.3633



5.6154, 0.3105, 0.3494



16.6935, 0.2975, 0.5912



0.1118, 0.2870, 0.5531

Inverse Universe

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



15.4974, 0.3214, 0.2625



24.6089, 0.3235, 0.2487



14.9789, 0.3508, 0.2973



5.1210, 0.3150, 0.3094



6.3129, 0.3454, 0.1676



0.0430, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 21.5839, 0.3050, 0.4060 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 21.5839, 0.3050, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

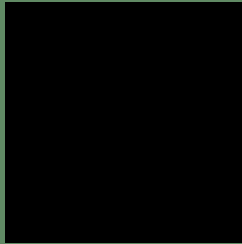
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5839, 0.3050, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 21.5839, 0.3050, 0.4060.



This preview shows how white text looks on a background with the Yxy color 21.5839, 0.3050, 0.4060.

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

21.5839, 0.3050, 0.4060

Protanopia

21.3233, 0.3619, 0.3864

Deuteranopia

21.4411, 0.3685, 0.3634



Tritanopia

21.4288, 0.2723, 0.3084

Trichromacy



Original Color

21.5839, 0.3050, 0.4060

Protanomaly

21.2332, 0.3390, 0.3934

Deuteranomaly

21.0648, 0.3432, 0.3771

Tritanomaly

21.3492, 0.2843, 0.3425

Monochromacy



Original Color

21.5839, 0.3050, 0.4060

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.8157, 0.3103, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5839, 0.3050, 0.4060 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(96, 138, 100)` looks like.

```
.text, #text, p{  
  color:rgb(96, 138, 100)  
}
```

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(96, 138, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 138, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.5839, 0.3050, 0.4060 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(96, 138, 100) }
```

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

```
.border{ border-color:rgb(96, 138, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 138, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 138, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 138, 100);  
box-shadow:4px 4px 4px 4px rgb(96, 138,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5839, 0.3050, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 138, 100) }
```

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

```
.background{ background-color: rgb(96, 138,  
100) }
```

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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