

Converting Colors

$Y_{xy}(19.8410, 0.3390, 0.4957)$

Have a look what the booklet for
Yxy(19.8410, 0.3390, 0.4957)
contains.

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Color

Yxy(19.7679, 0.3395, 0.4954)

Conversions

Conversions Part 1

Format	Color
Hex	5A8736
RGB	90, 135, 54
RGB Percent	35%, 53%, 21%
CMY	0.6470, 0.4706, 0.7883
CMYK	0.33, 0.00, 0.60, 0.47
HSL	93°, 43%, 37%
HSV	93°, 60%, 53%
XYZ	13.5470, 19.7679, 6.5880
YIQ	112.3110, -0.8190, -34.7310

Conversions

Conversions Part 2

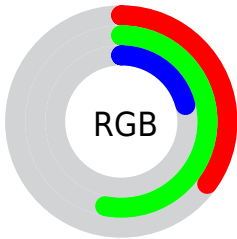
Format	Color
RYB	54, 135, 99
Decimal	5932854
CIELab	51.57, -30.09, 37.99
CIELCh	52, 48.461, 128.378
Yxy	19.7679, 0.3395, 0.4954
Android (android.graphics.Color)	4284122934 (0xFF5A8736)
YUV	112.3110, -28.7473, -19.5667
Hunter-Lab	44.4611, -23.4190, 22.3376

Details

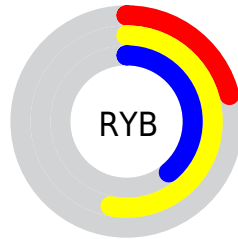
The Yxy color **19.7679, 0.3395, 0.4954** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0352, 0.2605, 0.1692**, and the grayscale version is **16.3865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2343, 0.3371, 0.4550**, and **6.9327, 0.3355, 0.5679** is the 20% darker color. If you saturate the color by 10%, you get **19.3019, 0.3401, 0.5217**, and if you desaturate by 10%, it is **20.3087, 0.3373, 0.4667**.

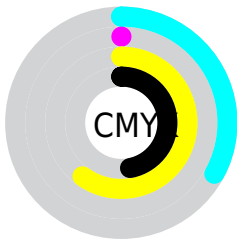
Distribution



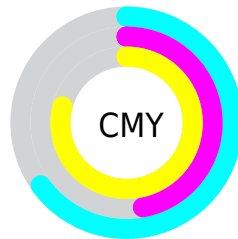
- Red (35%)
- Green (53%)
- Blue (21%)



- Red (21%)
- Yellow (53%)
- Blue (39%)



- Cyan (33%)
- Magenta (0%)
- Yellow (60%)
- Black (47%)




- Cyan (65%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7679, 0.3395, 0.4954 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 19.7679, 0.3395, 0.4954 by changing the saturation by 10% instead.


 19.7679, 0.3395,
0.4954


 19.7679, 0.3395,
0.4954


250.6558, 0.3289,
0.3964


 12.2264, 0.3393,
0.5260


 43.0277, 0.3372,
0.4551


 6.8981, 0.3357,
0.5685


 59.5148, 0.3357,
0.4413


 3.3984, 0.3391,
0.6609

 79.7527, 0.3343,
0.4302

 1.3431, 0.2646,
0.7354

 104.1256, 0.3330,
0.4210

 0.1742, 0.0000,
1.0000

 133.0179, 0.3318,
0.4133

 0.0000, 0.0000,
0.0000

 166.8142, 0.3308,

0.4068

205.8987, 0.3298,
0.4013

■ 19.7679, 0.3395,
0.4954

■ 19.7679, 0.3395,
0.4954

■ 19.3019, 0.3401,
0.5217

■ 20.3087, 0.3373,
0.4667

■ 18.9041, 0.3387,
0.5443

■ 20.9255, 0.3337,
0.4371

■ 18.5707, 0.3355,
0.5617

■ 21.6225, 0.3291,
0.4077

■ 18.2905, 0.3312,
0.5752

■ 22.4030, 0.3239,
0.3796

■ 23.2700, 0.3184,
0.3533

■ 24.2263, 0.3127,
0.3290

■ 25.2745, 0.3072,
0.3070

■ 26.4173, 0.3018,
0.2872

■ 27.6572, 0.2966,
0.2695

Harmonies

Analogous

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



19.7679, 0.4195, 0.4751



19.7679, 0.3395, 0.4954



19.7679, 0.2569, 0.4474

Triad

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



19.7679, 0.3395, 0.4954



19.7679, 0.1676, 0.2132



19.7679, 0.4411, 0.2938

Complementary

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



19.7679, 0.3395, 0.4954



7.0352, 0.2605, 0.1692

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.



19.7679, 0.3540, 0.2419



19.7679, 0.3395, 0.4954



19.7679, 0.2009, 0.1967

Square

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



19.7679, 0.3395, 0.4954



19.7679, 0.1647, 0.2636



19.7679, 0.2651, 0.2077



19.7679, 0.4873, 0.3549

Rectangle

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



19.7679, 0.3395, 0.4954



19.7679, 0.2117, 0.3844



19.7679, 0.2651, 0.2077



19.7679, 0.4148, 0.2751

Sweetspot

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



19.7688, 0.3395, 0.4954



40.3597, 0.3230, 0.3752



14.2534, 0.4335, 0.4099



9.2583, 0.3244, 0.3823



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.



19.7688, 0.3395, 0.4954



34.2961, 0.3398, 0.5303



18.4173, 0.3012, 0.5067



5.2986, 0.3179, 0.3510



16.8737, 0.3314, 0.5750



0.0627, 0.3659, 0.5477

Inverse Universe

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



7.0352, 0.2605, 0.1692



9.3156, 0.2449, 0.1372



9.4241, 0.3257, 0.1993



4.6625, 0.3072, 0.3071



2.9983, 0.2162, 0.0965



0.0147, 0.2623, 0.1219

Previews

White Background



This preview shows how the Yxy color 19.7679, 0.3395, 0.4954 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 19.7679, 0.3395, 0.4954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

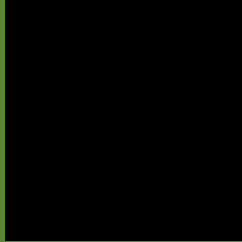
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7679, 0.3395, 0.4954

Background



This preview shows how black text looks on a background with the Yxy color 19.7679, 0.3395, 0.4954.



This preview shows how white text looks on a background with the Yxy color 19.7679, 0.3395, 0.4954.

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

19.7679, 0.3395, 0.4954

Protanopia

19.6304, 0.4113, 0.4533

Deuteranopia

19.6177, 0.4291, 0.4227



Tritanopia

19.8097, 0.2749, 0.3097

Trichromacy



Original Color

19.7679, 0.3395, 0.4954

Protanomaly

19.3397, 0.3837, 0.4698

Deuteranomaly

19.3778, 0.3945, 0.4497

Tritanomaly

19.6235, 0.3004, 0.3762

Monochromacy



Original Color

19.7679, 0.3395, 0.4954

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1313, 0.3261, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7679, 0.3395, 0.4954 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(90, 135, 54)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 54)  
}
```

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(90, 135, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 54) }
```

Border

The CSS property to change the border of an element to Yxy 19.7679, 0.3395, 0.4954 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(90, 135, 54) }
```

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

```
.border{ border-color:rgb(90, 135, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 54);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7679, 0.3395, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 54) }
```

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

```
.background{ background-color: rgb(90, 135,  
54) }
```

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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