

Converting Colors

$Y_{xy}(19.4590, 0.2699, 0.3190)$

Have a look what the booklet for
Yxy(19.4590, 0.2699, 0.3190)
contains.

Yxy(19.4590, 0.2699, 0.3190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.4590, 0.2699, 0.3190)$

Conversions

Conversions Part 1

Format	Color
Hex	5D8085
RGB	93, 128, 133
RGB Percent	36%, 50%, 52%
CMY	0.6354, 0.4980, 0.4784
CMYK	0.30, 0.04, 0.00, 0.48
HSL	187°, 18%, 44%
HSV	187°, 30%, 52%
XYZ	16.4639, 19.4590, 25.0771
YIQ	118.1050, -22.4650, -5.8650

Conversions

Conversions Part 2

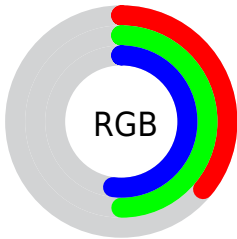
Format	Color
RYB	93, 112, 133
Decimal	6127749
CIELab	51.22, -11.02, -6.70
CIElCh	51, 12.897, 211.287
Yxy	19.4590, 0.2699, 0.3190
Android (android.graphics.Color)	4284317829 (0xFF5D8085)
YUV	118.1050, 7.3432, -22.0171
Hunter-Lab	44.1124, -10.5757, -2.8267

Details

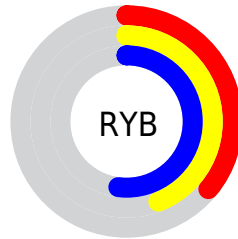
The Yxy color **19.4590, 0.2699, 0.3190** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5018, 0.3739, 0.3387**, and the grayscale version is **18.1312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6127, 0.2799, 0.3218**, and **6.7899, 0.2527, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **18.3967, 0.2573, 0.3152**, and if you desaturate by 10%, it is **20.6506, 0.2835, 0.3226**.

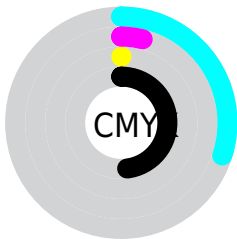
Distribution



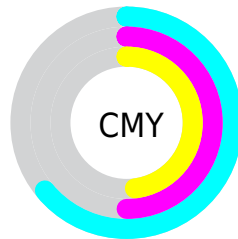
- Red (36%)
- Green (50%)
- Blue (52%)



- Red (36%)
- Yellow (44%)
- Blue (52%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



- Cyan (64%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4590, 0.2699, 0.3190 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 19.4590, 0.2699, 0.3190 by changing the saturation by 10% instead.

■ 19.4590, 0.2699,
0.3190

■ 19.4590, 0.2699,
0.3190

■ 248.9711, 0.2941,
0.3251

■ 12.0024, 0.2627,
0.3170

■ 42.5083, 0.2795,
0.3215

■ 6.7453, 0.2526,
0.3140

■ 58.8697, 0.2829,
0.3224

■ 3.3033, 0.2374,
0.3092

■ 78.9683, 0.2856,
0.3230

■ 1.2921, 0.2122,
0.3001

■ 103.1883, 0.2879,
0.3236

■ 0.1351, 0.0000,
0.1800

■ 131.9142, 0.2898,
0.3240

■ 0.0000, 0.0000,
0.0000

165.5304, 0.2914,

0.3244

204.4212, 0.2929,
0.3248

■ 19.4590, 0.2699,
0.3190

■ 19.4590, 0.2699,
0.3190

■ 18.3967, 0.2573,
0.3152

■ 20.6506, 0.2835,
0.3226

■ 17.4552, 0.2461,
0.3112

■ 21.9749, 0.2978,
0.3259

■ 16.6282, 0.2363,
0.3071

■ 23.4383, 0.3126,
0.3290

■ 15.9083, 0.2282,
0.3029

■ 25.0459, 0.3276,
0.3318

■ 15.2869, 0.2219,
0.2987

■ 26.8025, 0.3426,
0.3343

■ 14.7541, 0.2173,
0.2945

■ 28.7129, 0.3574,
0.3365

■ 14.2841, 0.2140,
0.2903

■ 30.7813, 0.3718,
0.3384

■ 33.0121, 0.3859,
0.3402

■ 35.4093, 0.3993,
0.3417

Harmonies

Analogous

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



19.4590, 0.2834, 0.3417



19.4590, 0.2699, 0.3190



19.4590, 0.2675, 0.3003

Triad

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



19.4590, 0.2699, 0.3190



19.4590, 0.3193, 0.2995



19.4590, 0.3494, 0.3687

Complementary

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



19.4590, 0.2699, 0.3190



14.5018, 0.3739, 0.3387

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.



19.4590, 0.3600, 0.3555



19.4590, 0.2699, 0.3190



19.4590, 0.3423, 0.3161

Square

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



19.4590, 0.2699, 0.3190



19.4590, 0.2952, 0.2900



19.4590, 0.3575, 0.3363



19.4590, 0.3290, 0.3714

Rectangle

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



19.4590, 0.2699, 0.3190



19.4590, 0.2723, 0.2924



19.4590, 0.3575, 0.3363



19.4590, 0.3543, 0.3653

Sweetspot

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



19.4598, 0.2699, 0.3190



39.5794, 0.2991, 0.3262



19.9744, 0.3042, 0.4028



8.8457, 0.2973, 0.3258



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.4598, 0.2699, 0.3190



33.5470, 0.2613, 0.3165



14.8091, 0.2655, 0.2781



5.1826, 0.2992, 0.3262



13.6145, 0.2140, 0.2904



0.0540, 0.2197, 0.3108

Inverse Universe

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



14.3673, 0.3230, 0.2654



23.0330, 0.3257, 0.2513



18.6507, 0.3637, 0.3750



4.7531, 0.3155, 0.3102



5.9613, 0.3540, 0.1724



0.0213, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 19.4590, 0.2699, 0.3190 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 19.4590, 0.2699, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

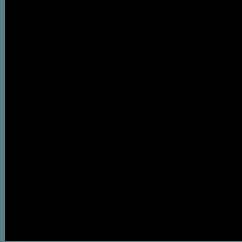
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4590, 0.2699, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 19.4590, 0.2699, 0.3190.



This preview shows how white text looks on a background with the Yxy color 19.4590, 0.2699, 0.3190.

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

19.4590, 0.2699, 0.3190

Protanopia

19.3973, 0.3049, 0.3142

Deuteranopia

19.2182, 0.3043, 0.2983



Tritanopia

19.3934, 0.2662, 0.3074

Trichromacy



Original Color

19.4590, 0.2699, 0.3190

Protanomaly

19.4065, 0.2911, 0.3175

Deuteranomaly

19.2851, 0.2913, 0.3065

Tritanomaly

19.3360, 0.2680, 0.3112

Monochromacy



Original Color

19.4590, 0.2699, 0.3190

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6003, 0.2961, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4590, 0.2699, 0.3190 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, 128, 133)` looks like.

```
.text, #text, p{  
    color:rgb(93, 128, 133)  
}
```

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, 128, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 128, 133) }
```

Border

The CSS property to change the border of an element to Yxy 19.4590, 0.2699, 0.3190 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, 128, 133) }
```

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

```
.border{ border-color:rgb(93, 128, 133) }
```

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

Here you see how a box with a 4 pixel rgb(93, 128, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 128, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 128, 133);  
box-shadow:4px 4px 4px 4px rgb(93, 128,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4590, 0.2699, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 128, 133) }
```

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

```
.background{ background-color: rgb(93, 128,  
133) }
```

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