

Converting Colors

$Yxy(19.8653, 0.3069, 0.4350)$

Have a look what the booklet for
Yxy(19.8653, 0.3069, 0.4350)
contains.

Yxy(19.9151, 0.3077, 0.4361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.9151, 0.3077, 0.4361)

Conversions

Conversions Part 1

Format	Color
Hex	558755
RGB	85, 135, 85
RGB Percent	33%, 53%, 33%
CMY	0.6666, 0.4706, 0.6666
CMYK	0.37, 0.00, 0.37, 0.47
HSL	120°, 23%, 43%
HSV	120°, 37%, 53%
XYZ	14.0515, 19.9151, 11.6997
YIQ	114.3500, -13.7500, -26.1500

Conversions

Conversions Part 2

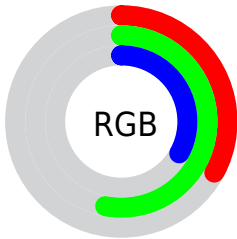
Format	Color
RYB	85, 135, 135
Decimal	5605205
CIELab	51.74, -27.61, 21.71
CIELCh	52, 35.121, 141.814
Yxy	19.9151, 0.3077, 0.4361
Android (android.graphics.Color)	4283795285 (0xFF558755)
YUV	114.3500, -14.4695, -25.7399
Hunter-Lab	44.6263, -21.8916, 15.6943

Details

The Yxy color **19.9151, 0.3077, 0.4361** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.3981, 0.3168, 0.2410**, and the grayscale version is **16.9871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4628, 0.3105, 0.4103**, and **7.0008, 0.3001, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **19.1486, 0.3061, 0.4706**, and if you desaturate by 10%, it is **20.8447, 0.3092, 0.4032**.

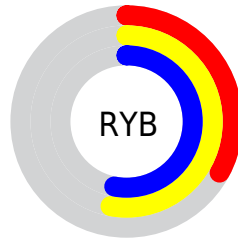
Distribution



Red (33%)

Green (53%)

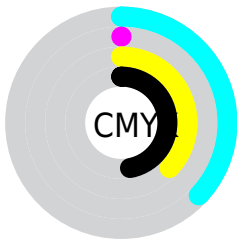
Blue (33%)



Red (33%)

Yellow (53%)

Blue (53%)

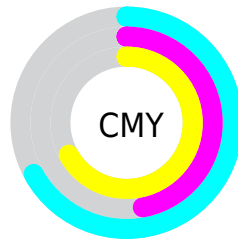


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (47%)



Cyan (67%)


Magenta (47%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9151, 0.3077, 0.4361 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 19.9151, 0.3077, 0.4361 by changing the saturation by 10% instead.


 19.9151, 0.3077,
0.4361


 19.9151, 0.3077,
0.4361


251.4551, 0.3123,
0.3721


 12.3333, 0.3052,
0.4569


 43.2748, 0.3102,
0.4096


 6.9711, 0.3007,
0.4875


 59.8215, 0.3108,
0.4007

 3.4440, 0.2915,
0.5359

 80.1254, 0.3113,
0.3936

 1.3677, 0.2911,
0.7089

 104.5707, 0.3116,
0.3877

 0.1927, 0.0000,
1.0000

 133.5420, 0.3118,
0.3828

 0.0000, 0.0000,
0.0000

167.4235, 0.3120,

0.3787

206.5998, 0.3122,
0.3751

■ 19.9151, 0.3077,
0.4361

■ 19.9151, 0.3077,
0.4361

■ 19.1486, 0.3061,
0.4706

■ 20.8447, 0.3092,
0.4032

■ 18.5336, 0.3045,
0.5050

■ 21.9435, 0.3107,
0.3731

■ 18.0606, 0.3030,
0.5370


■ 23.2201, 0.3119,
0.3460


■ 17.7184, 0.3017,
0.5640


■ 24.6819, 0.3130,
0.3223


■ 17.4939, 0.3008,
0.5840


■ 26.3359, 0.3140,
0.3016


 17.3625, 0.3002,
0.5966

 28.1888, 0.3148,
0.2838

 17.3278, 0.3000,
0.6000

 30.2468, 0.3156,
0.2684

 32.5159, 0.3162,
0.2552

 35.0020, 0.3167,
0.2439

Harmonies

Analogous

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



19.9151, 0.3705, 0.4471



19.9151, 0.3077, 0.4361



19.9151, 0.2495, 0.3839

Triad

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



19.9151, 0.3077, 0.4361



19.9151, 0.2108, 0.2336



19.9151, 0.4255, 0.3259

Complementary

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



19.9151, 0.3077, 0.4361



13.3981, 0.3168, 0.2410

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.



19.9151, 0.3734, 0.2804



19.9151, 0.3077, 0.4361



19.9151, 0.2484, 0.2292

Square

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



19.9151, 0.3077, 0.4361



19.9151, 0.1978, 0.2624



19.9151, 0.3068, 0.2462



19.9151, 0.4425, 0.3754

Rectangle

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



19.9151, 0.3077, 0.4361



19.9151, 0.2209, 0.3384



19.9151, 0.3068, 0.2462



19.9151, 0.4113, 0.3099

Sweetspot

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



19.9159, 0.3077, 0.4361



40.5794, 0.3114, 0.3570



22.9030, 0.3667, 0.4161



9.3364, 0.3113, 0.3601



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.



19.9159, 0.3077, 0.4361



34.5501, 0.3064, 0.4635



20.3673, 0.2854, 0.3829



5.2048, 0.3117, 0.3514



15.9787, 0.3000, 0.6000



0.0554, 0.3000, 0.6000

Inverse Universe

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



13.3981, 0.3168, 0.2410



21.1906, 0.3177, 0.2233



12.7937, 0.3538, 0.2811



4.7628, 0.3137, 0.3076



6.3611, 0.3209, 0.1541



0.0220, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 19.9151, 0.3077, 0.4361 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 19.9151, 0.3077, 0.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

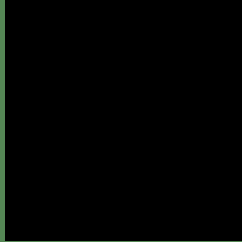
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9151, 0.3077, 0.4361

Background



This preview shows how black text looks on a background with the Yxy color 19.9151, 0.3077, 0.4361.



This preview shows how white text looks on a background with the Yxy color 19.9151, 0.3077, 0.4361.

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

19.9151, 0.3077, 0.4361

Protanopia

19.7317, 0.3763, 0.4079

Deuteranopia

19.7891, 0.3862, 0.3796



Tritanopia

19.7353, 0.2665, 0.3076

Trichromacy



Original Color

19.9151, 0.3077, 0.4361

Protanomaly

19.5009, 0.3493, 0.4176

Deuteranomaly

19.4050, 0.3545, 0.3980

Tritanomaly

19.7887, 0.2815, 0.3534

Monochromacy



Original Color

19.9151, 0.3077, 0.4361

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7819, 0.3109, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9151, 0.3077, 0.4361 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(85, 135, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 135, 85)  
}
```

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(85, 135, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 135, 85) }
```

Border

The CSS property to change the border of an element to Yxy 19.9151, 0.3077, 0.4361 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(85, 135, 85) }
```

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

```
.border{ border-color:rgb(85, 135, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 135, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 135, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 135, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 135,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9151, 0.3077, 0.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 135, 85) }
```

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

```
.background{ background-color: rgb(85, 135,  
85) }
```

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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