

Converting Colors

$Y_{xy}(19.0305, 0.3375, 0.4537)$

Have a look what the booklet for
Yxy(19.0305, 0.3375, 0.4537)
contains.

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Color

Yxy(19.0041, 0.3375, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	628246
RGB	98, 130, 70
RGB Percent	38%, 51%, 27%
CMY	0.6157, 0.4902, 0.7254
CMYK	0.25, 0.00, 0.46, 0.49
HSL	92°, 30%, 39%
HSV	92°, 46%, 51%
XYZ	14.1244, 19.0041, 8.7215
YIQ	113.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

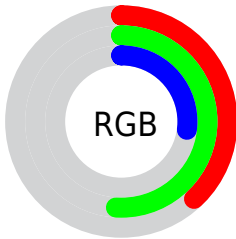
Format	Color
RYB	70, 130, 102
Decimal	6455878
CIELab	50.69, -22.63, 28.77
CIELCh	51, 36.604, 128.182
Yxy	19.0041, 0.3375, 0.4541
Android (android.graphics.Color)	4284645958 (0xFF628246)
YUV	113.5920, -21.4909, -13.6742
Hunter-Lab	43.5937, -18.4548, 18.6538

Details

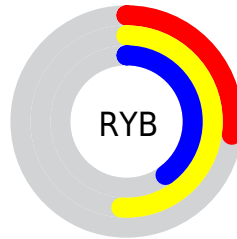
The Yxy color **19.0041, 0.3375, 0.4541** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.8223, 0.2739, 0.2064**, and the grayscale version is **16.7642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6829, 0.3341, 0.4241**, and **6.4562, 0.3402, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **18.4887, 0.3406, 0.4829**, and if you desaturate by 10%, it is **19.5902, 0.3332, 0.4248**.

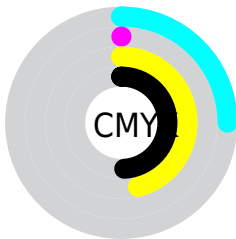
Distribution



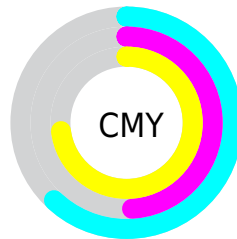
- Red (38%)
- Green (51%)
- Blue (27%)



- Red (27%)
- Yellow (51%)
- Blue (40%)



- Cyan (25%)
- Magenta (0%)
- Yellow (46%)
- Black (49%)



- Cyan (62%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0041, 0.3375, 0.4541 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 19.0041, 0.3375, 0.4541 by changing the saturation by 10% instead.


 19.0041, 0.3375,
0.4541


 19.0041, 0.3375,
0.4541


246.4714, 0.3257,
0.3795

 11.6732, 0.3393,
0.4779


 41.7410, 0.3337,
0.4235

 6.5216, 0.3402,
0.5119


 57.9159, 0.3321,
0.4131


 3.1648, 0.3417,
0.5712

 77.8075, 0.3307,
0.4048

 1.2183, 0.3197,
0.6803

 101.8004, 0.3294,
0.3979

 0.0766, 0.0000,
1.0000

 130.2788, 0.3283,
0.3922

 0.0000, 0.0000,
0.0000

163.6271, 0.3273,

0.3873

202.2299, 0.3265,
0.3832

■ 19.0041, 0.3375,
0.4541

■ 19.0041, 0.3375,
0.4541

■ 18.4887, 0.3406,
0.4829

■ 19.5902, 0.3332,
0.4248

■ 18.0383, 0.3422,
0.5100

■ 20.2475, 0.3280,
0.3962

■ 17.6503, 0.3419,
0.5338


■ 20.9794, 0.3223,
0.3689


■ 17.3208, 0.3396,
0.5532

■ 21.7886, 0.3164,
0.3436

■ 17.0438, 0.3357,
0.5676

■ 22.6776, 0.3104,
0.3203

 16.9462, 0.3341,
0.5729

 23.6485, 0.3046,
0.2991

 24.7037, 0.2991,
0.2801

 25.8453, 0.2938,
0.2631

 27.0752, 0.2888,
0.2479

Harmonies

Analogous

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



19.0041, 0.4000, 0.4445



19.0041, 0.3375, 0.4541



19.0041, 0.2718, 0.4170

Triad

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



19.0041, 0.3375, 0.4541



19.0041, 0.1962, 0.2387



19.0041, 0.4107, 0.3026

Complementary

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



19.0041, 0.3375, 0.4541



8.8223, 0.2739, 0.2064

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.



19.0041, 0.3450, 0.2596



19.0041, 0.3375, 0.4541



19.0041, 0.2239, 0.2232

Square

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



19.0041, 0.3375, 0.4541



19.0041, 0.1946, 0.2810



19.0041, 0.2761, 0.2314



19.0041, 0.4472, 0.3534

Rectangle

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



19.0041, 0.3375, 0.4541



19.0041, 0.2350, 0.3720



19.0041, 0.2761, 0.2314



19.0041, 0.3908, 0.2871

Sweetspot

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



19.0049, 0.3375, 0.4541



37.1926, 0.3212, 0.3642



14.6941, 0.4007, 0.3908



8.3618, 0.3223, 0.3690



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.0049, 0.3375, 0.4541



32.5481, 0.3407, 0.4832



17.7377, 0.3045, 0.4624



4.9093, 0.3181, 0.3508



16.2514, 0.3343, 0.5728



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.8223, 0.2739, 0.2064



12.3420, 0.2625, 0.1786



10.6881, 0.3209, 0.2242



4.3159, 0.3069, 0.3073



2.7766, 0.2120, 0.0942



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.0041, 0.3375, 0.4541 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 19.0041, 0.3375, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

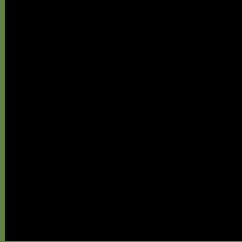
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0041, 0.3375, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 19.0041, 0.3375, 0.4541.



This preview shows how white text looks on a background with the Yxy color 19.0041, 0.3375, 0.4541.

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

19.0041, 0.3375, 0.4541

Protanopia

18.7437, 0.3919, 0.4259

Deuteranopia

18.8669, 0.4073, 0.3998



Tritanopia

18.9852, 0.2835, 0.3097

Trichromacy



Original Color

19.0041, 0.3375, 0.4541

Protanomaly

18.8257, 0.3713, 0.4370

Deuteranomaly

18.5811, 0.3810, 0.4171

Tritanomaly

18.9906, 0.3042, 0.3614

Monochromacy



Original Color

19.0041, 0.3375, 0.4541

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.5029, 0.3231, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0041, 0.3375, 0.4541 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(98, 130, 70)` looks like.

```
.text, #text, p{  
    color:rgb(98, 130, 70)  
}
```

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(98, 130, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 130, 70) }
```

Border

The CSS property to change the border of an element to Yxy 19.0041, 0.3375, 0.4541 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(98, 130, 70) }
```

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

```
.border{ border-color:rgb(98, 130, 70) }
```

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

Here you see how a box with a 4 pixel rgb(98, 130, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 130, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 130, 70);  
box-shadow:4px 4px 4px 4px rgb(98, 130,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0041, 0.3375, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 130, 70) }
```

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

```
.background{ background-color: rgb(98, 130,  
70) }
```

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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