

Converting Colors

$Y_{xy}(19.5011, 0.3603, 0.5029)$

Have a look what the booklet for
Yxy(19.5011, 0.3603, 0.5029)
contains.

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Color

Yxy(19.3863, 0.3610, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	64842B
RGB	100, 132, 43
RGB Percent	39%, 52%, 17%
CMY	0.6079, 0.4823, 0.8314
CMYK	0.24, 0.00, 0.67, 0.48
HSL	82°, 51%, 34%
HSV	82°, 67%, 52%
XYZ	13.9411, 19.3863, 5.2907
YIQ	112.2860, 9.4970, -34.4630

Conversions

Conversions Part 2

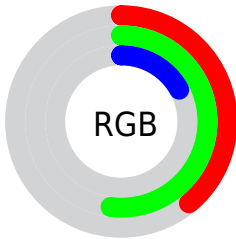
Format	Color
R_{YB}	43, 132, 75
Decimal	6587435
CIE _{Lab}	51.14, -25.69, 42.77
CIE _{LCh}	51, 49.894, 120.993
Yxy	19.3863, 0.3610, 0.5020
Android (android.graphics.Color)	4284777515 (0xFF64842B)
YUV	112.2860, -34.1580, -10.7748
Hunter-Lab	44.0299, -20.5340, 23.6966

Details

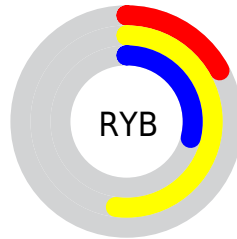
The Yxy color **19.3863, 0.3610, 0.5020** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.8888, 0.2255, 0.1390**, and the grayscale version is **16.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2605, 0.3547, 0.4617**, and **6.6876, 0.3559, 0.5556** is the 20% darker color. If you saturate the color by 10%, you get **19.0426, 0.3628, 0.5223**, and if you desaturate by 10%, it is **19.7789, 0.3571, 0.4784**.

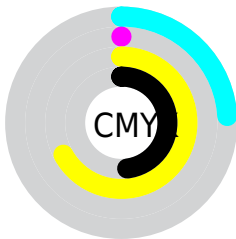
Distribution



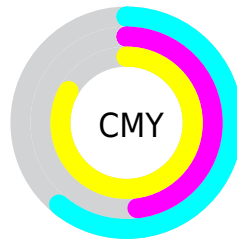
- Red (39%)
- Green (52%)
- Blue (17%)



- Red (17%)
- Yellow (52%)
- Blue (29%)



- Cyan (24%)
- Magenta (0%)
- Yellow (67%)
- Black (48%)



- Cyan (61%)
- Magenta (48%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3863, 0.3610, 0.5020 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 19.3863, 0.3610, 0.5020 by changing the saturation by 10% instead.


 19.3863, 0.3610,
0.5020


 19.3863, 0.3610,
0.5020


248.5731, 0.3390,
0.4005

 11.9497, 0.3632,
0.5319


 42.3858, 0.3546,
0.4615

 6.7095, 0.3626,
0.5723


 58.7176, 0.3516,
0.4473

 3.2811, 0.3599,
0.6401

 78.7832, 0.3489,
0.4358

 1.2802, 0.2984,
0.7016

 102.9671, 0.3464,
0.4263

 0.1258, 0.0000,
1.0000

 131.6537, 0.3442,
0.4183

 0.0000, 0.0000,
0.0000

 165.2273, 0.3423,

0.4115

204.0723, 0.3406,
0.4056

■ 19.3863, 0.3610,
0.5020

■ 19.3863, 0.3610,
0.5020

■ 19.0426, 0.3628,
0.5223

■ 19.7789, 0.3571,
0.4784

■ 18.7418, 0.3622,
0.5382

■ 20.2207, 0.3514,
0.4524

■ 18.4779, 0.3598,
0.5501

■ 20.7154, 0.3443,
0.4254

■ 18.4135, 0.3591,
0.5531

■ 21.2654, 0.3363,
0.3983

■ 21.8731, 0.3278,
0.3718

■ 22.5404, 0.3191,
0.3467

■ 23.2695, 0.3105,
0.3231

■ 24.0622, 0.3022,
0.3015

■ 24.9204, 0.2943,
0.2817

Harmonies

Analogous

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



19.3863, 0.4396, 0.4667



19.3863, 0.3610, 0.5020



19.3863, 0.2744, 0.4715

Triad

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



19.3863, 0.3610, 0.5020



19.3863, 0.1599, 0.2186



19.3863, 0.4259, 0.2781

Complementary

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



19.3863, 0.3610, 0.5020



4.8888, 0.2255, 0.1390

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.



19.3863, 0.3313, 0.2287



19.3863, 0.3610, 0.5020



19.3863, 0.1862, 0.1942

Square

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



19.3863, 0.3610, 0.5020



19.3863, 0.1645, 0.2797



19.3863, 0.2442, 0.1991



19.3863, 0.4872, 0.3390

Rectangle

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



19.3863, 0.3610, 0.5020



19.3863, 0.2238, 0.4122



19.3863, 0.2442, 0.1991



19.3863, 0.3959, 0.2599

Sweetspot

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



19.3872, 0.3610, 0.5020



38.1920, 0.3304, 0.3797



9.9968, 0.4779, 0.3850



8.8315, 0.3325, 0.3860



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.



19.3872, 0.3610, 0.5020



33.2458, 0.3628, 0.5314



17.5293, 0.3134, 0.5314



5.3415, 0.3206, 0.3508



17.8298, 0.3592, 0.5530



0.0659, 0.3874, 0.5306

Inverse Universe

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



4.8888, 0.2255, 0.1390



5.7974, 0.2025, 0.1033



7.2901, 0.2965, 0.1717



4.6201, 0.3043, 0.3069



2.2122, 0.1810, 0.0771



0.0115, 0.2292, 0.1036

Previews

White Background



This preview shows how the Yxy color 19.3863, 0.3610, 0.5020 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 19.3863, 0.3610, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

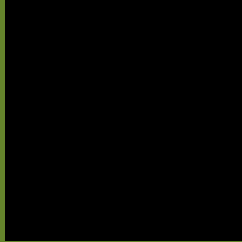
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3863, 0.3610, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 19.3863, 0.3610, 0.5020.



This preview shows how white text looks on a background with the Yxy color 19.3863, 0.3610, 0.5020.

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

19.3863, 0.3610, 0.5020

Protanopia

19.3065, 0.4204, 0.4639

Deuteranopia

19.0625, 0.4413, 0.4325



Tritanopia

19.2389, 0.2879, 0.3099

Trichromacy



Original Color

19.3863, 0.3610, 0.5020

Protanomaly

19.2928, 0.3978, 0.4787

Deuteranomaly

18.7855, 0.4106, 0.4573

Tritanomaly

18.9676, 0.3186, 0.3818

Monochromacy



Original Color

19.3863, 0.3610, 0.5020

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0699, 0.3363, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3863, 0.3610, 0.5020 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(100, 132, 43)` looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 43)  
}
```

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(100, 132, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 43) }
```

Border

The CSS property to change the border of an element to Yxy 19.3863, 0.3610, 0.5020 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(100, 132, 43) }
```

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

```
.border{ border-color:rgb(100, 132, 43) }
```

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

Here you see how a box with a 4 pixel rgb(100, 132, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 43);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3863, 0.3610, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 43) }
```

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

```
.background{ background-color: rgb(100,  
132, 43) }
```

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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