

Converting Colors

$Y_{xy}(19.4962, 0.3586, 0.5249)$

Have a look what the booklet for
Yxy(19.4962, 0.3586, 0.5249)
contains.

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Color

Yxy(19.4763, 0.3580, 0.5247)

Conversions

Conversions Part 1

Format	Color
Hex	5D861F
RGB	93, 134, 31
RGB Percent	36%, 53%, 12%
CMY	0.6352, 0.4745, 0.8785
CMYK	0.31, 0.00, 0.77, 0.47
HSL	84°, 62%, 32%
HSV	84°, 77%, 53%
XYZ	13.2886, 19.4763, 4.3540
YIQ	109.9990, 8.6270, -40.7250

Conversions

Conversions Part 2

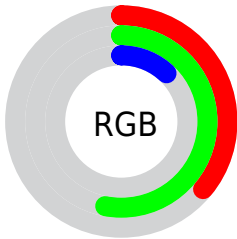
Format	Color
RYB	31, 134, 72
Decimal	6129183
CIELab	51.24, -30.32, 47.54
CIELCh	51, 56.384, 122.529
Yxy	19.4763, 0.3580, 0.5247
Android (android.graphics.Color)	4284319263 (0xFF5D861F)
YUV	109.9990, -38.9465, -14.9081
Hunter-Lab	44.1320, -23.4828, 25.0428

Details

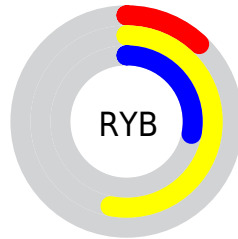
The Yxy color **19.4763, 0.3580, 0.5247** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.0765, 0.2164, 0.1182**, and the grayscale version is **15.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3682, 0.3546, 0.4791**, and **6.8121, 0.3405, 0.5678** is the 20% darker color. If you saturate the color by 10%, you get **19.1520, 0.3570, 0.5416**, and if you desaturate by 10%, it is **19.8511, 0.3567, 0.5035**.

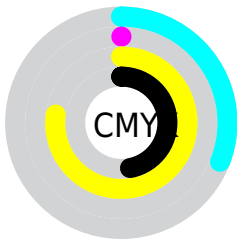
Distribution



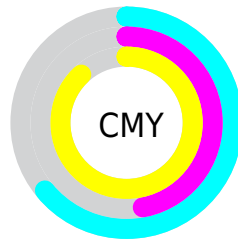
- Red (36%)
- Green (53%)
- Blue (12%)



- Red (12%)
- Yellow (53%)
- Blue (28%)



- Cyan (31%)
- Magenta (0%)
- Yellow (77%)
- Black (47%)




- Cyan (64%)
- Magenta (47%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4763, 0.3580, 0.5247 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 19.4763, 0.3580, 0.5247 by changing the saturation by 10% instead.


 19.4763, 0.3580,
0.5247


 19.4763, 0.3580,
0.5247


249.0657, 0.3397,
0.4100


 12.0149, 0.3577,
0.5577


 42.5374, 0.3539,
0.4792


 6.7539, 0.3548,
0.6055


 58.9059, 0.3514,
0.4631

 3.3086, 0.3365,
0.6635

 79.0123, 0.3490,
0.4501

 1.2949, 0.2547,
0.7453

 103.2409, 0.3468,
0.4393

 0.1373, 0.0000,
1.0000

 131.9762, 0.3447,
0.4302

 0.0000, 0.0000,
0.0000

 165.6025, 0.3429,

0.4224

204.5042, 0.3412,
0.4158

19.4763, 0.3580,
0.5247

19.4763, 0.3580,
0.5247

19.1520, 0.3570,
0.5416

19.8511, 0.3567,
0.5035

18.8693, 0.3541,
0.5541

20.2774, 0.3533,
0.4790

18.7860, 0.3531,
0.5578

20.7593, 0.3481,
0.4523

21.2996, 0.3416,
0.4247

21.9011, 0.3342,
0.3972

■ 22.5662, 0.3263,
0.3706

■ 23.2972, 0.3183,
0.3453

■ 24.0961, 0.3102,
0.3219

■ 24.9652, 0.3024,
0.3003

Harmonies

Analogous

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



19.4763, 0.4465, 0.4821



19.4763, 0.3580, 0.5247



19.4763, 0.2631, 0.4886

Triad

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



19.4763, 0.3580, 0.5247



19.4763, 0.1460, 0.2036



19.4763, 0.4449, 0.2748

Complementary

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



19.4763, 0.3580, 0.5247



4.0765, 0.2164, 0.1182

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.



19.4763, 0.3382, 0.2207



19.4763, 0.3580, 0.5247



19.4763, 0.1758, 0.1803

Square

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



19.4763, 0.3580, 0.5247



19.4763, 0.1484, 0.2673



19.4763, 0.2402, 0.1875



19.4763, 0.5103, 0.3404

Rectangle

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



19.4763, 0.3580, 0.5247



19.4763, 0.2087, 0.4176



19.4763, 0.2402, 0.1875



19.4763, 0.4114, 0.2550

Sweetspot

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



19.4772, 0.3580, 0.5247



38.9709, 0.3316, 0.3881



9.6069, 0.5039, 0.3936



8.7000, 0.3340, 0.3965



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.



19.4772, 0.3580, 0.5247



33.3841, 0.3550, 0.5506



17.6622, 0.3089, 0.5586



5.3331, 0.3201, 0.3508



17.6121, 0.3533, 0.5577



0.0653, 0.3835, 0.5337

Inverse Universe

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



4.0765, 0.2164, 0.1182



4.9344, 0.1937, 0.0883



6.8366, 0.2991, 0.1595



4.6282, 0.3049, 0.3070



2.3358, 0.1869, 0.0803



0.0121, 0.2361, 0.1074

Previews

White Background



This preview shows how the Yxy color 19.4763, 0.3580, 0.5247 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 19.4763, 0.3580, 0.5247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

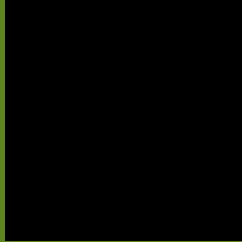
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4763, 0.3580, 0.5247

Background



This preview shows how black text looks on a background with the Yxy color 19.4763, 0.3580, 0.5247.



This preview shows how white text looks on a background with the Yxy color 19.4763, 0.3580, 0.5247.

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

19.4763, 0.3580, 0.5247

Protanopia

19.3213, 0.4295, 0.4746

Deuteranopia

19.3127, 0.4498, 0.4441



Tritanopia

19.4807, 0.2807, 0.3098

Trichromacy



Original Color

19.4763, 0.3580, 0.5247

Protanomaly

19.0754, 0.4026, 0.4933

Deuteranomaly

19.1186, 0.4153, 0.4737

Tritanomaly

19.0681, 0.3143, 0.3932

Monochromacy



Original Color

19.4763, 0.3580, 0.5247

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.7308, 0.3379, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4763, 0.3580, 0.5247 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, 134, 31)` looks like.

```
.text, #text, p{  
    color:rgb(93, 134, 31)  
}
```

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, 134, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 134, 31) }
```

Border

The CSS property to change the border of an element to Yxy 19.4763, 0.3580, 0.5247 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, 134, 31) }
```

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

```
.border{ border-color:rgb(93, 134, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 134, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 134, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 134, 31);  
box-shadow:4px 4px 4px 4px rgb(93, 134,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4763, 0.3580, 0.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 134, 31) }
```

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

```
.background{ background-color: rgb(93, 134,  
31) }
```

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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