

Converting Colors

$Y_{xy}(18.8444, 0.3141, 0.4649)$

Have a look what the booklet for
Yxy(18.8444, 0.3141, 0.4649)
contains.

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Color

Yxy(18.8923, 0.3142, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	4F8547
RGB	79, 133, 71
RGB Percent	31%, 52%, 28%
CMY	0.6902, 0.4784, 0.7216
CMYK	0.41, 0.00, 0.47, 0.48
HSL	112°, 30%, 40%
HSV	112°, 47%, 52%
XYZ	12.7491, 18.8923, 8.9349
YIQ	109.7860, -12.2820, -30.7300

Conversions

Conversions Part 2

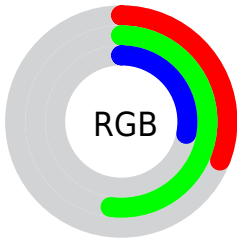
Format	Color
R_{YB}	71, 133, 125
Decimal	5211463
CIE _{Lab}	50.56, -30.95, 27.85
CIE _{LCh}	51, 41.638, 138.022
Yxy	18.8923, 0.3142, 0.4656
Android (android.graphics.Color)	4283401543 (0xFF4F8547)
YUV	109.7860, -19.1215, -26.9993
Hunter-Lab	43.4653, -23.7073, 18.2378

Details

The Yxy color **18.8923, 0.3142, 0.4656** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.5596, 0.3053, 0.2157**, and the grayscale version is **15.5870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7464, 0.3157, 0.4310**, and **6.5036, 0.3065, 0.5318** is the 20% darker color. If you saturate the color by 10%, you get **18.2864, 0.3133, 0.4988**, and if you desaturate by 10%, it is **19.6237, 0.3145, 0.4324**.

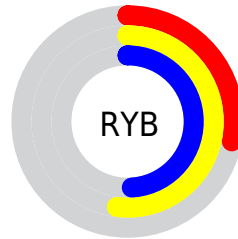
Distribution



Red (31%)

Green (52%)

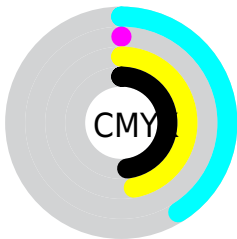
Blue (28%)



Red (28%)

Yellow (52%)

Blue (49%)

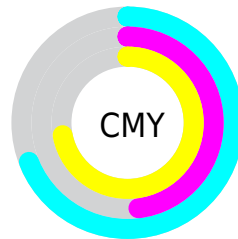


Cyan (41%)

Magenta (0%)

Yellow (47%)

Black (48%)



Cyan (69%)


Magenta (48%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8923, 0.3142, 0.4656 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 18.8923, 0.3142, 0.4656 by changing the saturation by 10% instead.


 18.8923, 0.3142,
0.4656


 18.8923, 0.3142,
0.4656


245.8536, 0.3162,
0.3830


 11.5925, 0.3116,
0.4927


 41.5520, 0.3161,
0.4312


 6.4668, 0.3061,
0.5324


 57.6807, 0.3164,
0.4197


 3.1310, 0.2966,
0.6014

 77.5212, 0.3165,
0.4105

 1.2005, 0.2285,
0.7715

 101.4578, 0.3165,
0.4030

 0.0621, 0.0000,
1.0000

 129.8749, 0.3165,
0.3967

 0.0000, 0.0000,
0.0000

163.1570, 0.3164,

0.3914

201.6884, 0.3163,
0.3869

■ 18.8923, 0.3142,
0.4656

■ 18.8923, 0.3142,
0.4656

■ 18.2864, 0.3133,
0.4988

■ 19.6237, 0.3145,
0.4324

■ 17.7967, 0.3119,
0.5301

■ 20.4848, 0.3144,
0.4007

■ 17.4164, 0.3099,
0.5572

■ 21.4821, 0.3139,
0.3714

■ 17.1368, 0.3074,
0.5782

■ 22.6214, 0.3133,
0.3449


■ 16.9462, 0.3049,
0.5923

■ 23.9079, 0.3124,
0.3214

 16.8967, 0.3044,
0.5965

 25.3466, 0.3115,
0.3006

 26.9423, 0.3105,
0.2825

 28.6996, 0.3095,
0.2667

 30.6227, 0.3086,
0.2530

Harmonies

Analogous

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



18.8923, 0.3880, 0.4686



18.8923, 0.3142, 0.4656



18.8923, 0.2439, 0.4063

Triad

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



18.8923, 0.3142, 0.4656



18.8923, 0.1895, 0.2186



18.8923, 0.4429, 0.3162

Complementary

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



18.8923, 0.3142, 0.4656



10.5596, 0.3053, 0.2157

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.



18.8923, 0.3755, 0.2653



18.8923, 0.3142, 0.4656



18.8923, 0.2291, 0.2112

Square

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



18.8923, 0.3142, 0.4656



18.8923, 0.1781, 0.2545



18.8923, 0.2950, 0.2282



18.8923, 0.4684, 0.3733

Rectangle

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



18.8923, 0.3142, 0.4656



18.8923, 0.2087, 0.3497



18.8923, 0.2950, 0.2282



18.8923, 0.4240, 0.2982

Sweetspot

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



18.8931, 0.3142, 0.4656



38.9149, 0.3138, 0.3651



20.0422, 0.3851, 0.4262



8.6857, 0.3139, 0.3702



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.



18.8931, 0.3142, 0.4656



32.6821, 0.3133, 0.5009



18.9188, 0.2862, 0.4166



5.2315, 0.3134, 0.3513



16.0958, 0.3045, 0.5964



0.0575, 0.3222, 0.5824

Inverse Universe

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



10.5596, 0.3053, 0.2157



15.8058, 0.3026, 0.1924



10.6244, 0.3557, 0.2561



4.7332, 0.3118, 0.3075



5.1414, 0.2895, 0.1368



0.0199, 0.3059, 0.1459

Previews

White Background



This preview shows how the Yxy color 18.8923, 0.3142, 0.4656 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 18.8923, 0.3142, 0.4656 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 18.8923, 0.3142, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 18.8923, 0.3142, 0.4656.



This preview shows how white text looks on a background with the Yxy color 18.8923, 0.3142, 0.4656.

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

18.8923, 0.3142, 0.4656

Protanopia

18.7318, 0.3930, 0.4276

Deuteranopia

18.5624, 0.4055, 0.3969



Tritanopia

18.9234, 0.2649, 0.3090

Trichromacy



Original Color

18.8923, 0.3142, 0.4656

Protanomaly

18.5953, 0.3613, 0.4423

Deuteranomaly

18.2341, 0.3681, 0.4206

Tritanomaly

18.8966, 0.2839, 0.3648

Monochromacy



Original Color

18.8923, 0.3142, 0.4656

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4540, 0.3143, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8923, 0.3142, 0.4656 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(79, 133, 71)` looks like.

```
.text, #text, p{  
    color:rgb(79, 133, 71)  
}
```

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(79, 133, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 133, 71) }
```

Border

The CSS property to change the border of an element to Yxy 18.8923, 0.3142, 0.4656 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(79, 133, 71) }
```

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

```
.border{ border-color:rgb(79, 133, 71) }
```

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

Here you see how a box with a 4 pixel rgb(79, 133, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 133, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 133, 71);  
box-shadow:4px 4px 4px 4px rgb(79, 133,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8923, 0.3142, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 133, 71) }
```

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

```
.background{ background-color: rgb(79, 133,  
71) }
```

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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