

Converting Colors

$Y_{xy}(18.5388, 0.2811, 0.3853)$

Have a look what the booklet for
Yxy(18.5388, 0.2811, 0.3853)
contains.

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Color

Yxy(18.5425, 0.2818, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	4D8268
RGB	77, 130, 104
RGB Percent	30%, 51%, 41%
CMY	0.6982, 0.4902, 0.5921
CMYK	0.41, 0.00, 0.20, 0.49
HSL	151°, 26%, 41%
HSV	151°, 41%, 51%
XYZ	13.5405, 18.5425, 15.9670
YIQ	111.1890, -23.2420, -19.3220

Conversions

Conversions Part 2

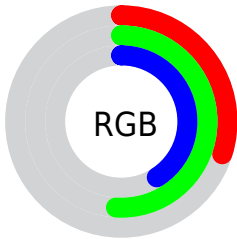
Format	Color
RYB	77, 112, 130
Decimal	5079656
CIELab	50.15, -23.98, 8.58
CIElCh	50, 25.471, 160.314
Yxy	18.5425, 0.2818, 0.3859
Android (android.graphics.Color)	4283269736 (0xFF4D8268)
YUV	111.1890, -3.5442, -29.9838
Hunter-Lab	43.0610, -19.2276, 8.1580

Details

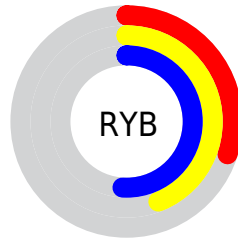
The Yxy color **18.5425, 0.2818, 0.3859** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.0276, 0.3619, 0.2790**, and the grayscale version is **15.9681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8227, 0.2892, 0.3718**, and **6.2657, 0.2672, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **17.9311, 0.2761, 0.4030**, and if you desaturate by 10%, it is **19.2733, 0.2885, 0.3700**.

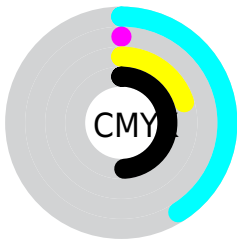
Distribution



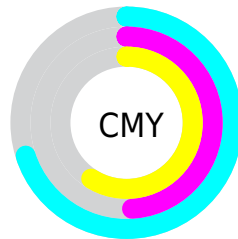
- Red (30%)
- Green (51%)
- Blue (41%)



- Red (30%)
- Yellow (44%)
- Blue (51%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (49%)




- Cyan (70%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5425, 0.2818, 0.3859 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 18.5425, 0.2818, 0.3859 by changing the saturation by 10% instead.


 18.5425, 0.2818,
0.3859


 18.5425, 0.2818,
0.3859


243.9113, 0.3001,
0.3521

 11.3402, 0.2759,
0.3970


 40.9596, 0.2893,
0.3719

 6.2961, 0.2672,
0.4133


 56.9431, 0.2919,
0.3672


 3.0260, 0.2532,
0.4398

 76.6225, 0.2939,
0.3634

 1.1453, 0.2143,
0.5088

 100.3822, 0.2956,
0.3603

 0.0163, 0.0000,
1.0000

 128.6065, 0.2970,
0.3578

 0.0000, 0.0000,
0.0000

161.6799, 0.2982,

0.3556

199.9867, 0.2992,
0.3537

■ 18.5425, 0.2818,
0.3859

■ 18.5425, 0.2818,
0.3859

■ 17.9311, 0.2761,
0.4030

■ 19.2733, 0.2885,
0.3700

■ 17.4301, 0.2716,
0.4209

■ 20.1273, 0.2960,
0.3553

■ 17.0329, 0.2687,
0.4394


■ 21.1111, 0.3039,
0.3419

■ 16.7311, 0.2677,
0.4580

■ 22.2299, 0.3121,
0.3299


■ 16.5150, 0.2684,
0.4762


■ 23.4889, 0.3203,
0.3192

 16.3641, 0.2701,
0.4925

 24.8927, 0.3284,
0.3097

 26.4460, 0.3363,
0.3013

 28.1530, 0.3439,
0.2939

 30.0180, 0.3513,
0.2874

Harmonies

Analogous

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



18.5425, 0.3289, 0.4137



18.5425, 0.2818, 0.3859



18.5425, 0.2448, 0.3394

Triad

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



18.5425, 0.2818, 0.3859



18.5425, 0.2509, 0.2517



18.5425, 0.4078, 0.3521

Complementary

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



18.5425, 0.2818, 0.3859



11.0276, 0.3619, 0.2790

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.



18.5425, 0.3840, 0.3138



18.5425, 0.2818, 0.3859



18.5425, 0.2907, 0.2584

Square

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



18.5425, 0.2818, 0.3859



18.5425, 0.2284, 0.2633



18.5425, 0.3397, 0.2805



18.5425, 0.4034, 0.3883

Rectangle

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



18.5425, 0.2818, 0.3859



18.5425, 0.2301, 0.3080



18.5425, 0.3397, 0.2805



18.5425, 0.4029, 0.3392

Sweetspot

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



18.5433, 0.2818, 0.3859



36.9044, 0.3027, 0.3438



19.4148, 0.3375, 0.4377



8.3114, 0.3019, 0.3451



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.



18.5433, 0.2818, 0.3859



31.6425, 0.2764, 0.4018



19.1553, 0.2587, 0.3288



4.8525, 0.3053, 0.3398



15.6903, 0.2700, 0.4922



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0276, 0.3619, 0.2790



16.4992, 0.3785, 0.2679



10.5846, 0.4106, 0.3293



4.3766, 0.3208, 0.3185



4.9035, 0.4936, 0.2493



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5425, 0.2818, 0.3859 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 18.5425, 0.2818, 0.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

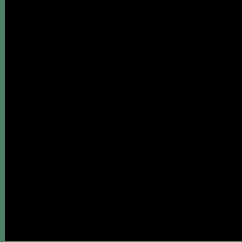
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5425, 0.2818, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 18.5425, 0.2818, 0.3859.



This preview shows how white text looks on a background with the Yxy color 18.5425, 0.2818, 0.3859.

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

18.5425, 0.2818, 0.3859

Protanopia

18.4355, 0.3459, 0.3695

Deuteranopia

18.3913, 0.3481, 0.3439



Tritanopia

18.5841, 0.2585, 0.3087

Trichromacy



Original Color

18.5425, 0.2818, 0.3859

Protanomaly

18.2742, 0.3203, 0.3760

Deuteranomaly

17.9843, 0.3202, 0.3570

Tritanomaly

18.3833, 0.2666, 0.3352

Monochromacy



Original Color

18.5425, 0.2818, 0.3859

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.6922, 0.3006, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5425, 0.2818, 0.3859 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(77, 130, 104)` looks like.

```
.text, #text, p{  
  color:rgb(77, 130, 104)  
}
```

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(77, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 130, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.5425, 0.2818, 0.3859 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(77, 130, 104) }
```

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

```
.border{ border-color:rgb(77, 130, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 130, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(77, 130,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5425, 0.2818, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 130, 104) }
```

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

```
.background{ background-color: rgb(77, 130,  
104) }
```

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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