

Converting Colors

$Y_{xy}(18.2565, 0.2839, 0.4146)$

Have a look what the booklet for
Yxy(18.2565, 0.2839, 0.4146)
contains.

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Color

Yxy(18.2519, 0.2839, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	44835D
RGB	68, 131, 93
RGB Percent	27%, 51%, 36%
CMY	0.7332, 0.4863, 0.6353
CMYK	0.48, 0.00, 0.29, 0.49
HSL	144°, 32%, 39%
HSV	144°, 48%, 51%
XYZ	12.4770, 18.2519, 13.2198
YIQ	107.8310, -25.3500, -25.1740

Conversions

Conversions Part 2

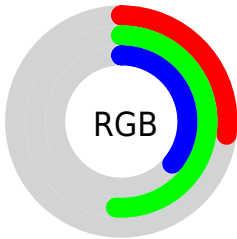
Format	Color
RYB	68, 113, 131
Decimal	4490077
CIELab	49.80, -29.51, 14.41
CIElCh	50, 32.841, 153.965
Yxy	18.2519, 0.2839, 0.4153
Android (android.graphics.Color)	4282680157 (0xFF44835D)
YUV	107.8310, -7.3117, -34.9318
Hunter-Lab	42.7222, -22.6330, 11.5591

Details

The Yxy color $18.2519, 0.2839, 0.4153$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.0039, 0.3610, 0.2574$, and the grayscale version is $14.9745, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.2572, 0.2918, 0.3936$, and $6.1683, 0.2679, 0.4581$ is the 20% darker color. If you saturate the color by 10%, you get $17.7000, 0.2800, 0.4374$, and if you desaturate by 10%, it is $18.9251, 0.2889, 0.3943$.

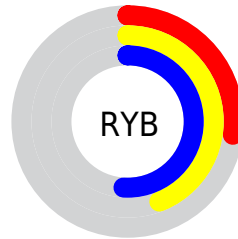
Distribution



Red (27%)

Green (51%)

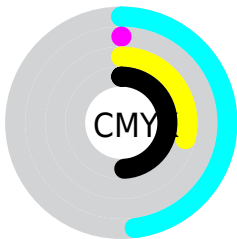
Blue (36%)



Red (27%)

Yellow (44%)

Blue (51%)

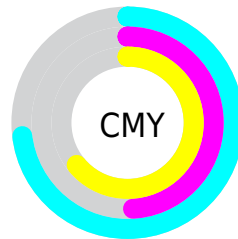


Cyan (48%)

Magenta (0%)

Yellow (29%)

Black (49%)



Cyan (73%)


Magenta (49%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2519, 0.2839, 0.4153 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 18.2519, 0.2839, 0.4153 by changing the saturation by 10% instead.


 18.2519, 0.2839,
0.4153


 18.2519, 0.2839,
0.4153


242.2871, 0.3017,
0.3632


 11.1310, 0.2777,
0.4327


 40.4661, 0.2915,
0.3935


 6.1550, 0.2683,
0.4588

 56.3282, 0.2939,
0.3863

 2.9396, 0.2523,
0.5017

 75.8727, 0.2959,
0.3805

 1.1003, 0.1962,
0.6943

 99.4842, 0.2975,
0.3758

 0.0000, 0.0000,
0.0000

 127.5470, 0.2988,
0.3718

160.4455, 0.2999,

0.3685

198.5640, 0.3008,
0.3657

■ 18.2519, 0.2839,
0.4153

■ 18.2519, 0.2839,
0.4153

■ 17.7000, 0.2800,
0.4374

■ 18.9251, 0.2889,
0.3943

■ 17.2595, 0.2775,
0.4602

■ 19.7242, 0.2946,
0.3747

■ 16.9229, 0.2767,
0.4828


■ 20.6562, 0.3008,
0.3569

■ 16.6804, 0.2776,
0.5046

■ 21.7271, 0.3074,
0.3408

■ 16.5102, 0.2798,
0.5248


■ 22.9423, 0.3140,
0.3264

 16.4800, 0.2802,
0.5286

 24.3072, 0.3206,
0.3136

 25.8267, 0.3270,
0.3023

 27.5054, 0.3331,
0.2924

 29.3480, 0.3390,
0.2838

Harmonies

Analogous

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



18.2519, 0.3448, 0.4434



18.2519, 0.2839, 0.4153



18.2519, 0.2338, 0.3555

Triad

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



18.2519, 0.2839, 0.4153



18.2519, 0.2262, 0.2323



18.2519, 0.4326, 0.3457

Complementary

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



18.2519, 0.2839, 0.4153



10.0039, 0.3610, 0.2574

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.



18.2519, 0.3945, 0.2990



18.2519, 0.2839, 0.4153



18.2519, 0.2716, 0.2368

Square

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



18.2519, 0.2839, 0.4153



18.2519, 0.2036, 0.2505



18.2519, 0.3333, 0.2606



18.2519, 0.4335, 0.3931

Rectangle

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



18.2519, 0.2839, 0.4153



18.2519, 0.2124, 0.3126



18.2519, 0.3333, 0.2606



18.2519, 0.4237, 0.3297

Sweetspot

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



18.2526, 0.2839, 0.4153



37.6802, 0.3033, 0.3506



19.7673, 0.3499, 0.4548



8.6914, 0.3021, 0.3537



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.



18.2526, 0.2839, 0.4153



31.5863, 0.2796, 0.4403



18.9089, 0.2572, 0.3445



5.2331, 0.3067, 0.3424



16.2226, 0.2801, 0.5285



0.0576, 0.2571, 0.4457

Inverse Universe

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



10.0039, 0.3610, 0.2574



14.8984, 0.3777, 0.2426



9.4758, 0.4227, 0.3151



4.7324, 0.3193, 0.3160



5.3068, 0.4479, 0.2241



0.0198, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 18.2519, 0.2839, 0.4153 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2519, 0.2839, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

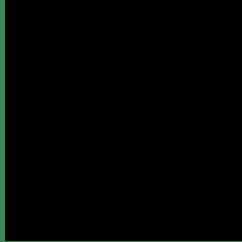
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2519, 0.2839, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 18.2519, 0.2839, 0.4153.



This preview shows how white text looks on a background with the Yxy color 18.2519, 0.2839, 0.4153.

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

18.2519, 0.2839, 0.4153

Protanopia

18.0806, 0.3613, 0.3888

Deuteranopia

17.9076, 0.3648, 0.3587



Tritanopia

18.3615, 0.2541, 0.3084

Trichromacy



Original Color

18.2519, 0.2839, 0.4153

Protanomaly

17.8904, 0.3289, 0.4000

Deuteranomaly

17.6570, 0.3294, 0.3781

Tritanomaly

18.2903, 0.2650, 0.3460

Monochromacy



Original Color

18.2519, 0.2839, 0.4153

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.7972, 0.2989, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2519, 0.2839, 0.4153 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(68, 131, 93)` looks like.

```
.text, #text, p{  
    color:rgb(68, 131, 93)  
}
```

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(68, 131, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 131, 93) }
```

Border

The CSS property to change the border of an element to Yxy 18.2519, 0.2839, 0.4153 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(68, 131, 93) }
```

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

```
.border{ border-color:rgb(68, 131, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 131, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 131, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 131, 93);  
box-shadow:4px 4px 4px 4px rgb(68, 131,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2519, 0.2839, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 131, 93) }
```

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

```
.background{ background-color: rgb(68, 131,  
93) }
```

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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