

Converting Colors

$Y_{xy}(18.0883, 0.2800, 0.4126)$

Have a look what the booklet for
Yxy(18.0883, 0.2800, 0.4126)
contains.

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Color

Yxy(18.1646, 0.2804, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	41835E
RGB	65, 131, 94
RGB Percent	25%, 51%, 37%
CMY	0.7450, 0.4863, 0.6314
CMYK	0.50, 0.00, 0.28, 0.49
HSL	146°, 34%, 38%
HSV	146°, 50%, 51%
XYZ	12.3177, 18.1646, 13.4466
YIQ	107.0480, -27.4590, -25.4990

Conversions

Conversions Part 2

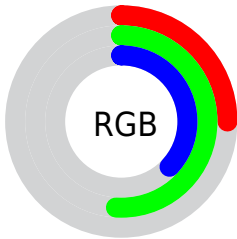
Format	Color
RYB	65, 111, 131
Decimal	4293470
CIELab	49.70, -30.14, 13.67
CIELCh	50, 33.097, 155.604
Yxy	18.1646, 0.2804, 0.4135
Android (android.graphics.Color)	4282483550 (0xFF41835E)
YUV	107.0480, -6.4327, -36.8761
Hunter-Lab	42.6199, -22.9963, 11.1279

Details

The Yxy color $18.1646, 0.2804, 0.4135$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $9.5681, 0.3697, 0.2591$, and the grayscale version is $14.7426, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.5242, 0.2883, 0.3921$, and $6.1370, 0.2634, 0.4552$ is the 20% darker color. If you saturate the color by 10%, you get $17.6431, 0.2765, 0.4342$, and if you desaturate by 10%, it is $18.8039, 0.2855, 0.3938$.

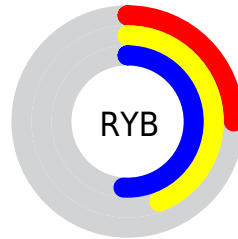
Distribution



Red (25%)

Green (51%)

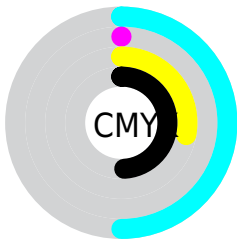
Blue (37%)



Red (25%)

Yellow (44%)

Blue (51%)

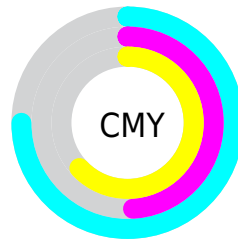


Cyan (50%)

Magenta (0%)

Yellow (28%)

Black (49%)



Cyan (75%)


Magenta (49%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1646, 0.2804, 0.4135 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 18.1646, 0.2804, 0.4135 by changing the saturation by 10% instead.


 18.1646, 0.2804,
0.4135


 18.1646, 0.2804,
0.4135


241.7972, 0.3001,
0.3625


 11.0682, 0.2737,
0.4306


 40.3176, 0.2887,
0.3922


 6.1127, 0.2634,
0.4562

 56.1430, 0.2915,
0.3851

 2.9138, 0.2463,
0.4983

 75.6469, 0.2937,
0.3794

 1.0869, 0.1795,
0.6861

 99.2136, 0.2954,
0.3748

 0.0000, 0.0000,
0.0000

 127.2277, 0.2969,
0.3709

160.0733, 0.2982,

0.3677

198.1350, 0.2992,
0.3649

■ 18.1646, 0.2804,
0.4135

■ 18.1646, 0.2804,
0.4135

■ 17.6431, 0.2765,
0.4342

■ 18.8039, 0.2855,
0.3938

■ 17.2295, 0.2741,
0.4554

■ 19.5656, 0.2916,
0.3754

■ 16.9160, 0.2734,
0.4765

■ 20.4568, 0.2982,
0.3585

■ 16.6926, 0.2745,
0.4969

■ 21.4835, 0.3053,
0.3432

■ 16.5334, 0.2766,
0.5156

■ 22.6512, 0.3125,
0.3295

■ 23.9651, 0.3196,
0.3173

■ 25.4302, 0.3267,
0.3065

■ 27.0511, 0.3336,
0.2970

■ 28.8324, 0.3402,
0.2886

Harmonies

Analogous

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



18.1646, 0.3416, 0.4441



18.1646, 0.2804, 0.4135



18.1646, 0.2309, 0.3520

Triad

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



18.1646, 0.2804, 0.4135



18.1646, 0.2274, 0.2312



18.1646, 0.4348, 0.3484

Complementary

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



18.1646, 0.2804, 0.4135



9.5681, 0.3697, 0.2591

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.



18.1646, 0.3982, 0.3012



18.1646, 0.2804, 0.4135



18.1646, 0.2743, 0.2369

Square

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



18.1646, 0.2804, 0.4135



18.1646, 0.2034, 0.2482



18.1646, 0.3370, 0.2618



18.1646, 0.4336, 0.3960

Rectangle

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



18.1646, 0.2804, 0.4135



18.1646, 0.2103, 0.3090



18.1646, 0.3370, 0.2618



18.1646, 0.4265, 0.3322

Sweetspot

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



18.1653, 0.2804, 0.4135



37.5257, 0.3017, 0.3506



19.4633, 0.3471, 0.4628



8.6604, 0.3005, 0.3534



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.



18.1653, 0.2804, 0.4135



31.5109, 0.2762, 0.4363



18.8791, 0.2526, 0.3382



5.2362, 0.3061, 0.3414



16.2752, 0.2765, 0.5155



0.0578, 0.2539, 0.4341

Inverse Universe

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



9.5681, 0.3697, 0.2591



14.3184, 0.3886, 0.2461



9.0433, 0.4379, 0.3210



4.7292, 0.3199, 0.3169



5.2299, 0.4650, 0.2335



0.0196, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 18.1646, 0.2804, 0.4135 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 18.1646, 0.2804, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

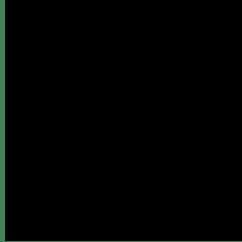
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1646, 0.2804, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 18.1646, 0.2804, 0.4135.



This preview shows how white text looks on a background with the Yxy color 18.1646, 0.2804, 0.4135.

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

18.1646, 0.2804, 0.4135

Protanopia

17.8628, 0.3606, 0.3851

Deuteranopia

17.9263, 0.3635, 0.3568



Tritanopia

18.2358, 0.2517, 0.3083

Trichromacy



Original Color

18.1646, 0.2804, 0.4135

Protanomaly

17.6003, 0.3267, 0.3962

Deuteranomaly

17.6110, 0.3269, 0.3762

Tritanomaly

18.1965, 0.2616, 0.3439

Monochromacy



Original Color

18.1646, 0.2804, 0.4135

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7254, 0.2988, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1646, 0.2804, 0.4135 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(65, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(65, 131, 94)  
}
```

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(65, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 131, 94) }
```

Border

The CSS property to change the border of an element to Yxy 18.1646, 0.2804, 0.4135 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(65, 131, 94) }
```

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

```
.border{ border-color:rgb(65, 131, 94) }
```

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

Here you see how a box with a 4 pixel rgb(65, 131, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(65, 131,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1646, 0.2804, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 131, 94) }
```

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

```
.background{ background-color: rgb(65, 131,  
94) }
```

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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