

Converting Colors

$Yxy(18.4961, 0.3087, 0.4176)$

Have a look what the booklet for
Yxy(18.4961, 0.3087, 0.4176)
contains.

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Color

Yxy(18.4798, 0.3085, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	588158
RGB	88, 129, 88
RGB Percent	35%, 51%, 35%
CMY	0.6550, 0.4941, 0.6548
CMYK	0.32, 0.00, 0.32, 0.49
HSL	120°, 19%, 43%
HSV	120°, 32%, 51%
XYZ	13.6355, 18.4798, 12.0841
YIQ	112.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

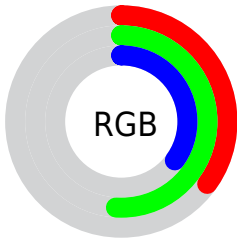
Format	Color
R_{YB}	88, 129, 129
Decimal	5800280
CIE Lab	50.07, -23.05, 17.81
CIE LCh	50, 29.127, 142.315
Yxy	18.4798, 0.3085, 0.4181
Android (android.graphics.Color)	4283990360 (0xFF588158)
YUV	112.0670, -11.8650, -21.1068
Hunter-Lab	42.9881, -18.6103, 13.4250

Details

The Yxy color **18.4798, 0.3085, 0.4181** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.2285, 0.3163, 0.2535**, and the grayscale version is **16.2616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7798, 0.3104, 0.3960**, and **6.2102, 0.3035, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **17.7108, 0.3069, 0.4517**, and if you desaturate by 10%, it is **19.3996, 0.3100, 0.3867**.

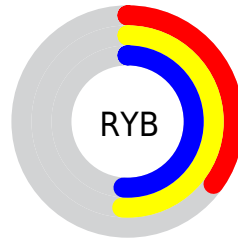
Distribution



Red (35%)

Green (51%)

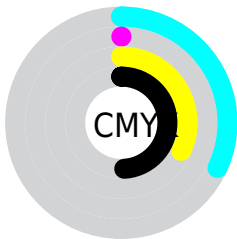
Blue (35%)



Red (35%)

Yellow (51%)

Blue (51%)

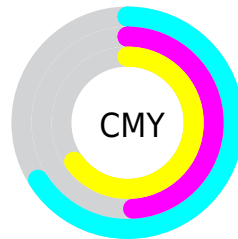


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (49%)



Cyan (66%)


Magenta (49%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4798, 0.3085, 0.4181 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 18.4798, 0.3085, 0.4181 by changing the saturation by 10% instead.


 18.4798, 0.3085,
0.4181


 18.4798, 0.3085,
0.4181


243.5617, 0.3121,
0.3646


 11.2950, 0.3066,
0.4358


 40.8532, 0.3104,
0.3959


 6.2656, 0.3032,
0.4619


 56.8106, 0.3109,
0.3884

 3.0073, 0.2962,
0.5042

 76.4610, 0.3113,
0.3825

 1.1355, 0.3045,
0.6955

 100.1888, 0.3115,
0.3776

 0.0081, 0.0000,
1.0000

 128.3784, 0.3117,
0.3735

 0.0000, 0.0000,
0.0000

161.4141, 0.3119,

0.3701

199.6804, 0.3120,
0.3671

■ 18.4798, 0.3085,
0.4181

■ 18.4798, 0.3085,
0.4181

■ 17.7108, 0.3069,
0.4517

■ 19.3996, 0.3100,
0.3867

■ 17.0823, 0.3053,
0.4862

■ 20.4751, 0.3113,
0.3584

■ 16.5865, 0.3037,
0.5197


■ 21.7139, 0.3125,
0.3332

■ 16.2140, 0.3023,
0.5497


■ 23.1223, 0.3136,
0.3112

■ 15.9539, 0.3012,
0.5737


■ 24.7066, 0.3145,
0.2921


 15.7935, 0.3004,
0.5900

 26.4723, 0.3153,
0.2757

 15.7020, 0.3000,
0.5999

 28.4251, 0.3159,
0.2615

 30.5702, 0.3165,
0.2494

 32.9126, 0.3170,
0.2389

Harmonies

Analogous

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



18.4798, 0.3625, 0.4295



18.4798, 0.3085, 0.4181



18.4798, 0.2583, 0.3744

Triad

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



18.4798, 0.3085, 0.4181



18.4798, 0.2249, 0.2466



18.4798, 0.4090, 0.3281

Complementary

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



18.4798, 0.3085, 0.4181



13.2285, 0.3163, 0.2535

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.



18.4798, 0.3655, 0.2878



18.4798, 0.3085, 0.4181



18.4798, 0.2584, 0.2425

Square

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



18.4798, 0.3085, 0.4181



18.4798, 0.2131, 0.2721



18.4798, 0.3091, 0.2575



18.4798, 0.4234, 0.3714

Rectangle

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



18.4798, 0.3085, 0.4181



18.4798, 0.2334, 0.3367



18.4798, 0.3091, 0.2575



18.4798, 0.3971, 0.3140

Sweetspot

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



18.4806, 0.3085, 0.4181



36.9906, 0.3115, 0.3542



21.0736, 0.3586, 0.4049



8.3171, 0.3114, 0.3573



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.



18.4806, 0.3085, 0.4181



32.0875, 0.3074, 0.4418



18.8690, 0.2883, 0.3724



4.8188, 0.3117, 0.3512



15.3084, 0.3000, 0.5999



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2285, 0.3163, 0.2535



21.1647, 0.3171, 0.2372



12.7376, 0.3472, 0.2895



4.4124, 0.3137, 0.3077



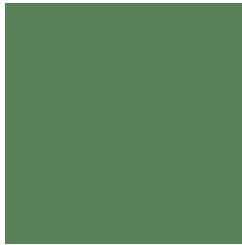
6.0932, 0.3211, 0.1543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4798, 0.3085, 0.4181 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 18.4798, 0.3085, 0.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

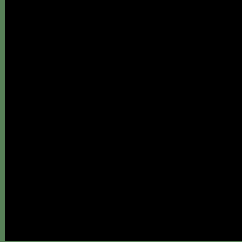
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4798, 0.3085, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 18.4798, 0.3085, 0.4181.



This preview shows how white text looks on a background with the Yxy color 18.4798, 0.3085, 0.4181.

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

18.4798, 0.3085, 0.4181

Protanopia

18.4229, 0.3672, 0.3956

Deuteranopia

18.2789, 0.3765, 0.3709



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



Original Color

18.4798, 0.3085, 0.4181

Protanomaly

18.3325, 0.3438, 0.4058

Deuteranomaly

17.9249, 0.3489, 0.3864

Tritanomaly

18.2787, 0.2847, 0.3455

Monochromacy



Original Color

18.4798, 0.3085, 0.4181

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8197, 0.3112, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4798, 0.3085, 0.4181 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(88, 129, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 129, 88)  
}
```

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(88, 129, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 129, 88) }
```

Border

The CSS property to change the border of an element to Yxy 18.4798, 0.3085, 0.4181 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(88, 129, 88) }
```

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

```
.border{ border-color:rgb(88, 129, 88) }
```

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

Here you see how a box with a 4 pixel rgb(88, 129, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 129, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 129, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 129,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4798, 0.3085, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 129, 88) }
```

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

```
.background{ background-color: rgb(88, 129,  
88) }
```

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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