

Converting Colors

$Y_{xy}(18.4988, 0.2895, 0.3876)$

Have a look what the booklet for
Yxy(18.4988, 0.2895, 0.3876)
contains.

Yxy(18.4988, 0.2895, 0.3876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4988, 0.2895, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	538166
RGB	83, 129, 102
RGB Percent	33%, 51%, 40%
CMY	0.6744, 0.4941, 0.6000
CMYK	0.36, 0.00, 0.21, 0.49
HSL	145°, 22%, 42%
HSV	145°, 36%, 51%
XYZ	13.8168, 18.4988, 15.4109
YIQ	112.1680, -18.7490, -18.1490

Conversions

Conversions Part 2

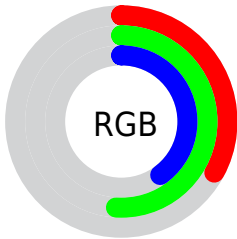
Format	Color
RYB	83, 116, 129
Decimal	5472614
CIELab	50.10, -21.99, 9.73
CIElCh	50, 24.049, 156.136
Yxy	18.4988, 0.2895, 0.3876
Android (android.graphics.Color)	4283662694 (0xFF538166)
YUV	112.1680, -5.0128, -25.5803
Hunter-Lab	43.0102, -17.9256, 8.8631

Details

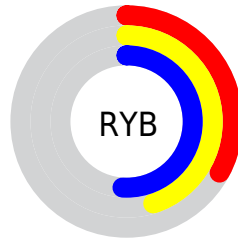
The Yxy color **18.4988, 0.2895, 0.3876** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9832, 0.3461, 0.2772**, and the grayscale version is **16.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8241, 0.2952, 0.3730**, and **6.2251, 0.2786, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **17.8227, 0.2842, 0.4077**, and if you desaturate by 10%, it is **19.2994, 0.2956, 0.3690**.

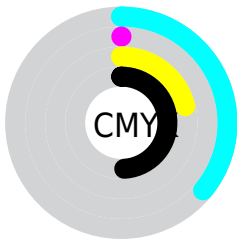
Distribution



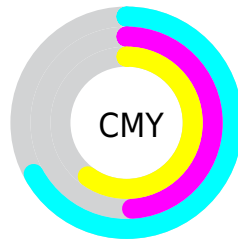
- Red (33%)
- Green (51%)
- Blue (40%)



- Red (33%)
- Yellow (45%)
- Blue (51%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (49%)





- Cyan (67%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4988, 0.2895, 0.3876 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 18.4988, 0.2895, 0.3876 by changing the saturation by 10% instead.


 18.4988, 0.2895,
0.3876


 18.4988, 0.2895,
0.3876


243.6677, 0.3034,
0.3527


 11.3087, 0.2849,
0.3990


 40.8855, 0.2953,
0.3732

 6.2749, 0.2780,
0.4159


 56.8508, 0.2972,
0.3683

 3.0129, 0.2668,
0.4434

 76.5100, 0.2988,
0.3644

 1.1385, 0.2388,
0.5174

 100.2474, 0.3000,
0.3612

 0.0106, 0.0000,
1.0000

 128.4475, 0.3011,
0.3586

 0.0000, 0.0000,
0.0000

161.4947, 0.3020,

0.3563

199.7733, 0.3028,
0.3544

■ 18.4988, 0.2895,
0.3876

■ 18.4988, 0.2895,
0.3876

■ 17.8227, 0.2842,
0.4077

■ 19.2994, 0.2956,
0.3690

■ 17.2623, 0.2799,
0.4289

■ 20.2281, 0.3021,
0.3521

■ 16.8114, 0.2769,
0.4509

■ 21.2913, 0.3089,
0.3369

■ 16.4621, 0.2755,
0.4731

■ 22.4941, 0.3157,
0.3233

■ 16.2055, 0.2759,
0.4946

■ 23.8416, 0.3224,
0.3112

■ 16.0275, 0.2779,
0.5150

■ 25.3384, 0.3290,
0.3006

■ 15.9596, 0.2788,
0.5235

■ 26.9889, 0.3354,
0.2913

■ 28.7975, 0.3414,
0.2831

■ 30.7684, 0.3472,
0.2760

Harmonies

Analogous

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



18.4988, 0.3346, 0.4103



18.4988, 0.2895, 0.3876



18.4988, 0.2524, 0.3454

Triad

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



18.4988, 0.2895, 0.3876



18.4988, 0.2501, 0.2561



18.4988, 0.4009, 0.3461

Complementary

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



18.4988, 0.2895, 0.3876



11.9832, 0.3461, 0.2772

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.



18.4988, 0.3751, 0.3099



18.4988, 0.2895, 0.3876



18.4988, 0.2859, 0.2600

Square

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



18.4988, 0.2895, 0.3876



18.4988, 0.2311, 0.2699



18.4988, 0.3318, 0.2793



18.4988, 0.4007, 0.3812

Rectangle

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



18.4988, 0.2895, 0.3876



18.4988, 0.2366, 0.3153



18.4988, 0.3318, 0.2793



18.4988, 0.3950, 0.3338

Sweetspot

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



18.4996, 0.2895, 0.3876



37.0289, 0.3050, 0.3452



19.6794, 0.3405, 0.4210



8.3348, 0.3043, 0.3469



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.



18.4996, 0.2895, 0.3876



32.1003, 0.2850, 0.4043



19.0058, 0.2685, 0.3384



4.8459, 0.3065, 0.3419



15.5617, 0.2787, 0.5233



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9832, 0.3461, 0.2772



18.5586, 0.3570, 0.2650



11.5551, 0.3849, 0.3201



4.3833, 0.3194, 0.3164



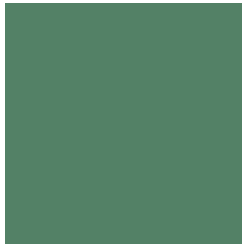
5.0570, 0.4540, 0.2275



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4988, 0.2895, 0.3876 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 18.4988, 0.2895, 0.3876 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 18.4988, 0.2895, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 18.4988, 0.2895, 0.3876.



This preview shows how white text looks on a background with the Yxy color 18.4988, 0.2895, 0.3876.

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

18.4988, 0.2895, 0.3876

Protanopia

18.2556, 0.3489, 0.3694

Deuteranopia

18.2054, 0.3524, 0.3457



Tritanopia

18.5902, 0.2646, 0.3089

Trichromacy



Original Color

18.4988, 0.2895, 0.3876

Protanomaly

18.1349, 0.3241, 0.3758

Deuteranomaly

17.9061, 0.3266, 0.3589

Tritanomaly

18.3780, 0.2729, 0.3351

Monochromacy



Original Color

18.4988, 0.2895, 0.3876

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8063, 0.3030, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4988, 0.2895, 0.3876 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(83, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(83, 129, 102)  
}
```

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(83, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 129, 102) }
```

Border

The CSS property to change the border of an element to Yxy 18.4988, 0.2895, 0.3876 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(83, 129, 102) }
```

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

```
.border{ border-color:rgb(83, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(83, 129,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4988, 0.2895, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 129, 102) }
```

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

```
.background{ background-color: rgb(83, 129,  
102) }
```

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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