

Converting Colors

$Y_{xy}(18.1679, 0.2990, 0.3974)$

Have a look what the booklet for
Yxy(18.1679, 0.2990, 0.3974)
contains.

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Color

$Y_{xy}(18.3091, 0.2995, 0.3985)$

Conversions

Conversions Part 1

Format	Color
Hex	578060
RGB	87, 128, 96
RGB Percent	34%, 50%, 38%
CMY	0.6588, 0.4980, 0.6235
CMYK	0.32, 0.00, 0.25, 0.50
HSL	133°, 19%, 42%
HSV	133°, 32%, 50%
XYZ	13.7605, 18.3091, 13.8754
YIQ	112.0930, -14.1640, -18.6440

Conversions

Conversions Part 2

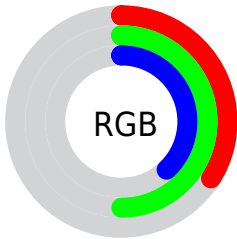
Format	Color
RYB	87, 121, 128
Decimal	5734496
CIELab	49.87, -21.37, 12.92
CIELCh	50, 24.976, 148.843
Yxy	18.3091, 0.2995, 0.3985
Android (android.graphics.Color)	4283924576 (0xFF578060)
YUV	112.0930, -7.9338, -22.0066
Hunter-Lab	42.7891, -17.4772, 10.7262

Details

The Yxy color **18.3091, 0.2995, 0.3985** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7367, 0.3295, 0.2684**, and the grayscale version is **16.2588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5576, 0.3028, 0.3806**, and **6.2536, 0.2909, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **17.5750, 0.2959, 0.4248**, and if you desaturate by 10%, it is **19.1774, 0.3035, 0.3742**.

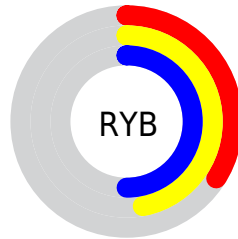
Distribution



Red (34%)

Green (50%)

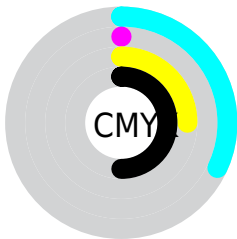
Blue (38%)



Red (34%)

Yellow (47%)

Blue (50%)

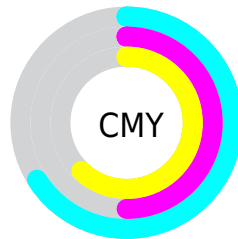


Cyan (32%)

Magenta (0%)

Yellow (25%)

Black (50%)



Cyan (66%)


Magenta (50%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3091, 0.2995, 0.3985 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 18.3091, 0.2995, 0.3985 by changing the saturation by 10% instead.


 18.3091, 0.2995,
0.3985


 18.3091, 0.2995,
0.3985


242.6076, 0.3079,
0.3569


 11.1721, 0.2965,
0.4122


 40.5633, 0.3031,
0.3812


 6.1827, 0.2917,
0.4325

 56.4494, 0.3043,
0.3755

 2.9565, 0.2833,
0.4657

 76.0206, 0.3052,
0.3708

 1.1091, 0.2702,
0.5801

 99.6613, 0.3060,
0.3670

 0.0000, 0.0000,
0.0000

 127.7560, 0.3066,
0.3639

160.6890, 0.3071,

0.3612

198.8447, 0.3075,
0.3589

■ 18.3091, 0.2995,
0.3985

■ 18.3091, 0.2995,
0.3985

■ 17.5750, 0.2959,
0.4248

■ 19.1774, 0.3035,
0.3742

■ 16.9661, 0.2928,
0.4527

■ 20.1837, 0.3077,
0.3523

■ 16.4760, 0.2906,
0.4812


■ 21.3347, 0.3119,
0.3327


■ 16.0967, 0.2895,
0.5090

■ 22.6357, 0.3160,
0.3154

■ 15.8191, 0.2896,
0.5348


■ 24.0919, 0.3199,
0.3003

 15.6329, 0.2910,
0.5571

 25.7083, 0.3237,
0.2871

 15.5238, 0.2922,
0.5720

 27.4895, 0.3272,
0.2756

 29.4401, 0.3305,
0.2656

 31.5644, 0.3335,
0.2569

Harmonies

Analogous

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



18.3091, 0.3466, 0.4154



18.3091, 0.2995, 0.3985



18.3091, 0.2579, 0.3577

Triad

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



18.3091, 0.2995, 0.3985



18.3091, 0.2411, 0.2550



18.3091, 0.4005, 0.3372

Complementary

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



18.3091, 0.2995, 0.3985



12.7367, 0.3295, 0.2684

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.



18.3091, 0.3678, 0.3005



18.3091, 0.2995, 0.3985



18.3091, 0.2744, 0.2549

Square

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



18.3091, 0.2995, 0.3985



18.3091, 0.2263, 0.2737



18.3091, 0.3206, 0.2713



18.3091, 0.4070, 0.3747

Rectangle

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



18.3091, 0.2995, 0.3985



18.3091, 0.2385, 0.3257



18.3091, 0.3206, 0.2713



18.3091, 0.3921, 0.3246

Sweetspot

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



18.3099, 0.2995, 0.3985



35.8815, 0.3084, 0.3486



20.0577, 0.3475, 0.4084



8.3474, 0.3079, 0.3510



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.



18.3099, 0.2995, 0.3985



31.3263, 0.2970, 0.4163



18.7352, 0.2795, 0.3533



4.8330, 0.3089, 0.3463



15.3921, 0.2922, 0.5720



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7367, 0.3295, 0.2684



19.9980, 0.3341, 0.2554



12.2984, 0.3622, 0.3063



4.3967, 0.3168, 0.3123



5.4608, 0.3834, 0.1886



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3091, 0.2995, 0.3985 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 18.3091, 0.2995, 0.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

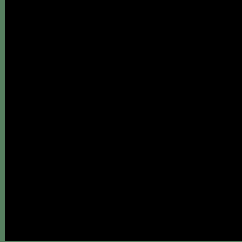
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3091, 0.2995, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 18.3091, 0.2995, 0.3985.



This preview shows how white text looks on a background with the Yxy color 18.3091, 0.2995, 0.3985.

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

18.3091, 0.2995, 0.3985

Protanopia

18.1478, 0.3563, 0.3811

Deuteranopia

18.1697, 0.3617, 0.3567



Tritanopia

18.2391, 0.2698, 0.3089

Trichromacy



Original Color

18.3091, 0.2995, 0.3985

Protanomaly

18.1541, 0.3336, 0.3878

Deuteranomaly

17.9270, 0.3365, 0.3707

Tritanomaly

18.2474, 0.2796, 0.3393

Monochromacy



Original Color

18.3091, 0.2995, 0.3985

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8810, 0.3078, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3091, 0.2995, 0.3985 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(87, 128, 96)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 96)  
}
```

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(87, 128, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 96) }
```

Border

The CSS property to change the border of an element to Yxy 18.3091, 0.2995, 0.3985 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(87, 128, 96) }
```

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

```
.border{ border-color:rgb(87, 128, 96) }
```

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

Here you see how a box with a 4 pixel rgb(87, 128, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 96);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3091, 0.2995, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 96) }
```

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

```
.background{ background-color: rgb(87, 128,  
96) }
```

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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