

Converting Colors

$Y_{xy}(18.6589, 0.2972, 0.3912)$

Have a look what the booklet for
Yxy(18.6589, 0.2972, 0.3912)
contains.

Yxy(18.6953, 0.2966, 0.3912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(18.6953, 0.2966, 0.3912)$

Conversions

Conversions Part 1

Format	Color
Hex	588164
RGB	88, 129, 100
RGB Percent	35%, 51%, 39%
CMY	0.6549, 0.4941, 0.6078
CMYK	0.32, 0.00, 0.22, 0.49
HSL	138°, 19%, 43%
HSV	138°, 32%, 51%
XYZ	14.1744, 18.6953, 14.9199
YIQ	113.4350, -15.1270, -17.7110

Conversions

Conversions Part 2

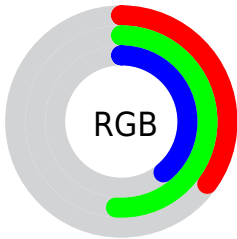
Format	Color
RYB	88, 120, 129
Decimal	5800292
CIELab	50.33, -20.75, 11.25
CIELCh	50, 23.603, 151.533
Yxy	18.6953, 0.2966, 0.3912
Android (android.graphics.Color)	4283990372 (0xFF588164)
YUV	113.4350, -6.6235, -22.3065
Hunter-Lab	43.2381, -17.1503, 9.8078

Details

The Yxy color $18.6953, 0.2966, 0.3912$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.9290, 0.3339, 0.2741$, and the grayscale version is $16.6728, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.1792, 0.3007, 0.3756$, and $6.3001, 0.2881, 0.4208$ is the 20% darker color. If you saturate the color by 10%, you get $17.9545, 0.2922, 0.4150$, and if you desaturate by 10%, it is $19.5689, 0.3015, 0.3694$.

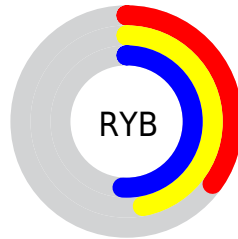
Distribution



Red (35%)

Green (51%)

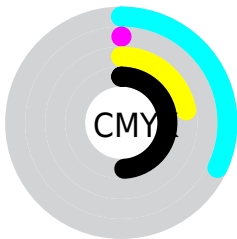
Blue (39%)



Red (35%)

Yellow (47%)

Blue (51%)

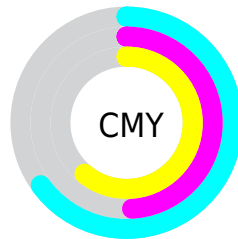


Cyan (32%)

Magenta (0%)

Yellow (22%)

Black (49%)



Cyan (65%)

Magenta (49%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6953, 0.2966, 0.3912 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 18.6953, 0.2966, 0.3912 by changing the saturation by 10% instead.


 18.6953, 0.2966,
0.3912

 18.6953, 0.2966,
0.3912


244.7614, 0.3065,
0.3542


 11.4503, 0.2932,
0.4033


 41.2186, 0.3008,
0.3759

 6.3706, 0.2880,
0.4212


 57.2657, 0.3022,
0.3708


 3.0717, 0.2793,
0.4501

 77.0156, 0.3033,
0.3666

 1.1693, 0.2628,
0.5296

 100.8528, 0.3041,
0.3632

 0.0364, 0.0000,
1.0000

 129.1615, 0.3049,
0.3604

 0.0000, 0.0000,
0.0000

162.3263, 0.3055,

0.3580

200.7315, 0.3060,
0.3560

■ 18.6953, 0.2966,
0.3912

■ 18.6953, 0.2966,
0.3912

■ 17.9545, 0.2922,
0.4150

■ 19.5689, 0.3015,
0.3694

■ 17.3376, 0.2885,
0.4402

■ 20.5789, 0.3066,
0.3496

■ 16.8382, 0.2859,
0.4663


■ 21.7318, 0.3118,
0.3319

■ 16.4486, 0.2845,
0.4924

■ 23.0331, 0.3169,
0.3163

■ 16.1598, 0.2846,
0.5172

■ 24.4877, 0.3219,
0.3026


 15.9617, 0.2862,
0.5398

 26.1004, 0.3267,
0.2906

 15.8404, 0.2878,
0.5562

 27.8760, 0.3312,
0.2801

 29.8188, 0.3355,
0.2709

 31.9331, 0.3395,
0.2629

Harmonies

Analogous

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



18.6953, 0.3410, 0.4095



18.6953, 0.2966, 0.3912



18.6953, 0.2584, 0.3520

Triad

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



18.6953, 0.2966, 0.3912



18.6953, 0.2473, 0.2585



18.6953, 0.3967, 0.3403

Complementary

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



18.6953, 0.2966, 0.3912



12.9290, 0.3339, 0.2741

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.



18.6953, 0.3680, 0.3052



18.6953, 0.2966, 0.3912



18.6953, 0.2803, 0.2598

Square

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



18.6953, 0.2966, 0.3912



18.6953, 0.2316, 0.2749



18.6953, 0.3244, 0.2766



18.6953, 0.4005, 0.3753

Rectangle

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



18.6953, 0.2966, 0.3912



18.6953, 0.2410, 0.3222



18.6953, 0.3244, 0.2766



18.6953, 0.3895, 0.3283

Sweetspot

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



18.6961, 0.2966, 0.3912



37.1545, 0.3074, 0.3467



20.2146, 0.3438, 0.4088



8.3579, 0.3068, 0.3489



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.



18.6961, 0.2966, 0.3912



32.5122, 0.2934, 0.4079



19.1347, 0.2772, 0.3473



4.8379, 0.3080, 0.3446



15.4441, 0.2878, 0.5560



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9290, 0.3339, 0.2741



20.5160, 0.3401, 0.2617



12.5058, 0.3663, 0.3117



4.3916, 0.3178, 0.3139



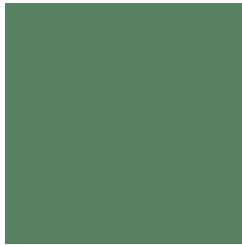
5.2910, 0.4086, 0.2025



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6953, 0.2966, 0.3912 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 18.6953, 0.2966, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

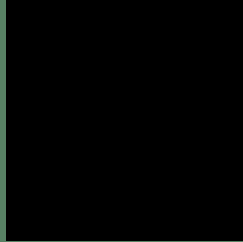
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6953, 0.2966, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 18.6953, 0.2966, 0.3912.



This preview shows how white text looks on a background with the Yxy color 18.6953, 0.2966, 0.3912.

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

18.6953, 0.2966, 0.3912

Protanopia

18.5319, 0.3523, 0.3749

Deuteranopia

18.5591, 0.3574, 0.3510



Tritanopia

18.5694, 0.2701, 0.3091

Trichromacy



Original Color

18.6953, 0.2966, 0.3912

Protanomaly

18.5397, 0.3300, 0.3812

Deuteranomaly

18.3142, 0.3327, 0.3644

Tritanomaly

18.6022, 0.2788, 0.3371

Monochromacy



Original Color

18.6953, 0.2966, 0.3912

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.2194, 0.3067, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6953, 0.2966, 0.3912 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(88, 129, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 129, 100) }
```

Border

The CSS property to change the border of an element to Yxy 18.6953, 0.2966, 0.3912 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, 100) }
```

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

```
.border{ border-color:rgb(88, 129, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 129, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 129, 100);  
box-shadow:4px 4px 4px 4px rgb(88, 129,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6953, 0.2966, 0.3912 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, 100) }
```

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

```
.background{ background-color: rgb(88, 129,  
100) }
```

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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