

Converting Colors

$Y_{xy}(18.1085, 0.2959, 0.4294)$

Have a look what the booklet for
Yxy(18.1085, 0.2959, 0.4294)
contains.

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Color

Yxy(18.0930, 0.2958, 0.4286)

Conversions

Conversions Part 1

Format	Color
Hex	4A8256
RGB	74, 130, 86
RGB Percent	29%, 51%, 34%
CMY	0.7097, 0.4902, 0.6628
CMYK	0.43, 0.00, 0.34, 0.49
HSL	133°, 27%, 40%
HSV	133°, 43%, 51%
XYZ	12.4870, 18.0930, 11.6342
YIQ	108.2400, -19.2520, -25.5560

Conversions

Conversions Part 2

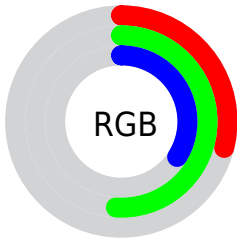
Format	Color
RYB	74, 120, 130
Decimal	4883030
CIELab	49.61, -28.62, 18.21
CIElCh	50, 33.920, 147.524
Yxy	18.0930, 0.2958, 0.4286
Android (android.graphics.Color)	4283073110 (0xFF4A8256)
YUV	108.2400, -10.9643, -30.0285
Hunter-Lab	42.5359, -22.0368, 13.5584

Details


The Yxy color **18.0930, 0.2958, 0.4286** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.9553, 0.3365, 0.2469**, and the grayscale version is **15.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0045, 0.3005, 0.4029**, and **6.0727, 0.2846, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **17.4767, 0.2929, 0.4568**, and if you desaturate by 10%, it is **18.8410, 0.2993, 0.4018**.

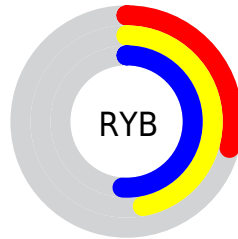
Distribution



 Red (29%)

 Green (51%)

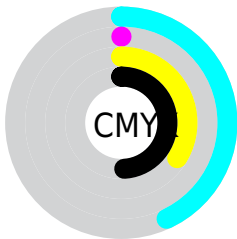
 Blue (34%)



 Red (29%)

 Yellow (47%)

 Blue (51%)

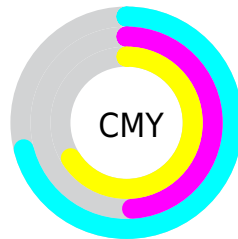



 Cyan (43%)

 Magenta (0%)

 Yellow (34%)

 Black (49%)



 Cyan (71%)


 Magenta (49%)

 Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0930, 0.2958, 0.4286 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 18.0930, 0.2958, 0.4286 by changing the saturation by 10% instead.


 18.0930, 0.2958,
0.4286


 18.0930, 0.2958,
0.4286


241.3947, 0.3071,
0.3682


 11.0168, 0.2914,
0.4489


 40.1957, 0.3009,
0.4033


 6.0781, 0.2841,
0.4792

 55.9910, 0.3025,
0.3949


 2.8926, 0.2707,
0.5289

 75.4615, 0.3037,
0.3882

 1.0759, 0.2251,
0.7749

 98.9915, 0.3046,
0.3827

 0.0000, 0.0000,
0.0000

 126.9654, 0.3054,
0.3782

159.7676, 0.3061,

0.3744

197.7826, 0.3066,
0.3711

■ 18.0930, 0.2958,
0.4286

■ 18.0930, 0.2958,
0.4286

■ 17.4767, 0.2929,
0.4568

■ 18.8410, 0.2993,
0.4018

■ 16.9823, 0.2908,
0.4855

■ 19.7255, 0.3033,
0.3771

■ 16.6020, 0.2898,
0.5134


■ 20.7537, 0.3073,
0.3546


■ 16.3264, 0.2901,
0.5389


■ 21.9317, 0.3115,
0.3346


■ 16.1442, 0.2916,
0.5607


■ 23.2652, 0.3155,
0.3170

 16.0482, 0.2926,
0.5734

 24.7595, 0.3194,
0.3015

 26.4199, 0.3231,
0.2880

 28.2513, 0.3265,
0.2762

 30.2584, 0.3298,
0.2660

Harmonies

Analogous

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



18.0930, 0.3589, 0.4481



18.0930, 0.2958, 0.4286



18.0930, 0.2405, 0.3710

Triad

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



18.0930, 0.2958, 0.4286



18.0930, 0.2163, 0.2312



18.0930, 0.4315, 0.3352

Complementary

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



18.0930, 0.2958, 0.4286



10.9553, 0.3365, 0.2469

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.



18.0930, 0.3850, 0.2885



18.0930, 0.2958, 0.4286



18.0930, 0.2583, 0.2311

Square

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



18.0930, 0.2958, 0.4286



18.0930, 0.1986, 0.2551



18.0930, 0.3194, 0.2517



18.0930, 0.4408, 0.3846

Rectangle

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



18.0930, 0.2958, 0.4286



18.0930, 0.2150, 0.3256



18.0930, 0.3194, 0.2517



18.0930, 0.4196, 0.3190

Sweetspot

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



18.0938, 0.2958, 0.4286



36.5033, 0.3073, 0.3551



20.3683, 0.3598, 0.4362



8.1802, 0.3065, 0.3592



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.



18.0938, 0.2958, 0.4286



30.7661, 0.2928, 0.4571



18.6191, 0.2708, 0.3653



4.8326, 0.3090, 0.3464



15.3885, 0.2925, 0.5731



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9553, 0.3365, 0.2469



16.3998, 0.3439, 0.2292



10.3985, 0.3858, 0.2964



4.3972, 0.3167, 0.3122



5.4756, 0.3814, 0.1875



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0930, 0.2958, 0.4286 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 18.0930, 0.2958, 0.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

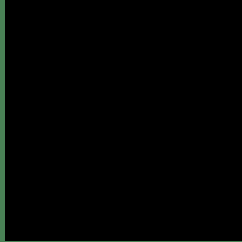
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0930, 0.2958, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 18.0930, 0.2958, 0.4286.



This preview shows how white text looks on a background with the Yxy color 18.0930, 0.2958, 0.4286.

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

18.0930, 0.2958, 0.4286

Protanopia

17.8287, 0.3707, 0.3982

Deuteranopia

17.9517, 0.3770, 0.3712



Tritanopia

18.0678, 0.2605, 0.3085

Trichromacy



Original Color

18.0930, 0.2958, 0.4286

Protanomaly

17.7317, 0.3399, 0.4098

Deuteranomaly

17.5598, 0.3434, 0.3897

Tritanomaly

17.9554, 0.2727, 0.3481

Monochromacy



Original Color

18.0930, 0.2958, 0.4286

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.8977, 0.3060, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0930, 0.2958, 0.4286 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(74, 130, 86)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 86)  
}
```

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(74, 130, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 86) }
```

Border

The CSS property to change the border of an element to Yxy 18.0930, 0.2958, 0.4286 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(74, 130, 86) }
```

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

```
.border{ border-color:rgb(74, 130, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 86);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0930, 0.2958, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 86) }
```

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

```
.background{ background-color: rgb(74, 130,  
86) }
```

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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