

Converting Colors

$Y_{xy}(18.1170, 0.2977, 0.4306)$

Have a look what the booklet for
Yxy(18.1170, 0.2977, 0.4306)
contains.

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Color

Yxy(18.1170, 0.2977, 0.4306)

Conversions

Conversions Part 1

Format	Color
Hex	4B8255
RGB	75, 130, 85
RGB Percent	29%, 51%, 33%
CMY	0.7058, 0.4902, 0.6667
CMYK	0.42, 0.00, 0.35, 0.49
HSL	131°, 27%, 40%
HSV	131°, 42%, 51%
XYZ	12.5254, 18.1170, 11.4315
YIQ	108.4250, -18.3350, -25.6550

Conversions

Conversions Part 2

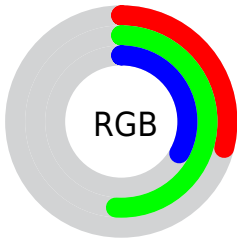
Format	Color
RYB	75, 122, 130
Decimal	4948565
CIELab	49.64, -28.48, 18.82
CIELCh	50, 34.135, 146.545
Yxy	18.1170, 0.2977, 0.4306
Android (android.graphics.Color)	4283138645 (0xFF4B8255)
YUV	108.4250, -11.5485, -29.3137
Hunter-Lab	42.5641, -21.9597, 13.8713

Details

The Yxy color **18.1170, 0.2977, 0.4306** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1377, 0.3331, 0.2454**, and the grayscale version is **15.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0519, 0.3020, 0.4044**, and **6.0780, 0.2868, 0.4827** is the 20% darker color. If you saturate the color by 10%, you get **17.4892, 0.2950, 0.4598**, and if you desaturate by 10%, it is **18.8789, 0.3010, 0.4028**.

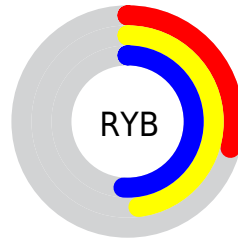
Distribution



Red (29%)

Green (51%)

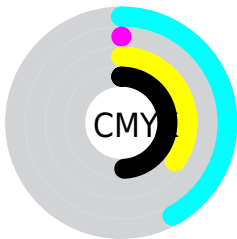
Blue (33%)



Red (29%)

Yellow (48%)

Blue (51%)

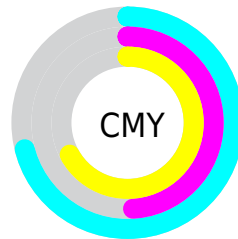


Cyan (42%)

Magenta (0%)

Yellow (35%)

Black (49%)



Cyan (71%)


Magenta (49%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1170, 0.2977, 0.4306 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 18.1170, 0.2977, 0.4306 by changing the saturation by 10% instead.


 18.1170, 0.2977,
0.4306


 18.1170, 0.2977,
0.4306


241.5297, 0.3079,
0.3690


 11.0340, 0.2935,
0.4513


 40.2366, 0.3024,
0.4048


 6.0897, 0.2866,
0.4821

 56.0420, 0.3038,
0.3962


 2.8997, 0.2737,
0.5327

 75.5236, 0.3049,
0.3894

 1.0796, 0.2280,
0.7720

 99.0660, 0.3058,
0.3838

 0.0000, 0.0000,
0.0000

 127.0533, 0.3065,
0.3792

159.8701, 0.3071,

0.3753

197.9008, 0.3075,
0.3719

■ 18.1170, 0.2977,
0.4306

■ 18.1170, 0.2977,
0.4306

■ 17.4892, 0.2950,
0.4598

■ 18.8789, 0.3010,
0.4028

■ 16.9856, 0.2930,
0.4894

■ 19.7796, 0.3045,
0.3772

■ 16.5983, 0.2920,
0.5180


■ 20.8266, 0.3082,
0.3540


■ 16.3178, 0.2921,
0.5439

■ 22.0259, 0.3119,
0.3334

■ 16.1329, 0.2933,
0.5656


■ 23.3834, 0.3155,
0.3152

 16.0293, 0.2942,
0.5791

 24.9045, 0.3189,
0.2993

 26.5946, 0.3221,
0.2854

 28.4585, 0.3251,
0.2734

 30.5010, 0.3279,
0.2629

Harmonies

Analogous

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



18.1170, 0.3611, 0.4487



18.1170, 0.2977, 0.4306



18.1170, 0.2416, 0.3735

Triad

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



18.1170, 0.2977, 0.4306



18.1170, 0.2149, 0.2311



18.1170, 0.4312, 0.3336

Complementary

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



18.1170, 0.2977, 0.4306



11.1377, 0.3331, 0.2454

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.



18.1170, 0.3835, 0.2868



18.1170, 0.2977, 0.4306



18.1170, 0.2562, 0.2303

Square

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



18.1170, 0.2977, 0.4306



18.1170, 0.1978, 0.2559



18.1170, 0.3173, 0.2503



18.1170, 0.4419, 0.3832

Rectangle

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



18.1170, 0.2977, 0.4306



18.1170, 0.2154, 0.3277



18.1170, 0.3173, 0.2503



18.1170, 0.4188, 0.3173

Sweetspot

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



18.1178, 0.2977, 0.4306



36.4805, 0.3078, 0.3562



20.5265, 0.3614, 0.4334



8.1745, 0.3071, 0.3605



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.



18.1178, 0.2977, 0.4306



30.8137, 0.2950, 0.4594



18.6244, 0.2730, 0.3687



4.8305, 0.3094, 0.3471



15.3707, 0.2941, 0.5788



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1377, 0.3331, 0.2454



16.7537, 0.3392, 0.2274



10.5777, 0.3805, 0.2934



4.3994, 0.3162, 0.3115



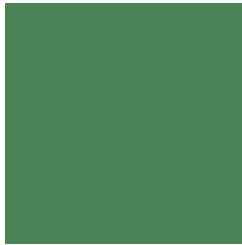
5.5572, 0.3711, 0.1818



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1170, 0.2977, 0.4306 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 18.1170, 0.2977, 0.4306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

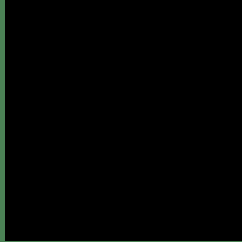
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1170, 0.2977, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 18.1170, 0.2977, 0.4306.



This preview shows how white text looks on a background with the Yxy color 18.1170, 0.2977, 0.4306.

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

18.1170, 0.2977, 0.4306

Protanopia

17.8138, 0.3719, 0.4000

Deuteranopia

17.9348, 0.3783, 0.3730



Tritanopia

18.1150, 0.2614, 0.3086

Trichromacy



Original Color

18.1170, 0.2977, 0.4306

Protanomaly

17.7164, 0.3410, 0.4119

Deuteranomaly

17.5431, 0.3446, 0.3918

Tritanomaly

17.9765, 0.2746, 0.3503

Monochromacy



Original Color

18.1170, 0.2977, 0.4306

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 18.1170, 0.2977, 0.4306 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(75, 130, 85)` looks like.

```
.text, #text, p{  
    color:rgb(75, 130, 85)  
}
```

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(75, 130, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 130, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.1170, 0.2977, 0.4306 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(75, 130, 85) }
```

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

```
.border{ border-color:rgb(75, 130, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 130, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 130, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 130, 85);  
box-shadow:4px 4px 4px 4px rgb(75, 130,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1170, 0.2977, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 130, 85) }
```

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

```
.background{ background-color: rgb(75, 130,  
85) }
```

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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