

Converting Colors

$Y_{xy}(18.5958, 0.2975, 0.5299)$

Have a look what the booklet for
Yxy(18.5958, 0.2975, 0.5299)
contains.

Yxy(18.5930, 0.2974, 0.5299)	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

Yxy(18.5930, 0.2974, 0.5299)

Conversions

Conversions Part 1

Format	Color
Hex	298932
RGB	41, 137, 50
RGB Percent	16%, 54%, 20%
CMY	0.8394, 0.4627, 0.8038
CMYK	0.70, 0.00, 0.63, 0.46
HSL	126°, 54%, 35%
HSV	126°, 70%, 54%
XYZ	10.4351, 18.5930, 6.0597
YIQ	98.3780, -29.2890, -47.4090

Conversions

Conversions Part 2

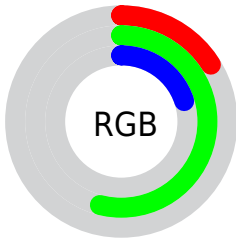
Format	Color
RYB	41, 129, 137
Decimal	2722098
CIELab	50.21, -45.96, 37.79
CIElCh	50, 59.503, 140.570
Yxy	18.5930, 0.2974, 0.5299
Android (android.graphics.Color)	4280912178 (0xFF298932)
YUV	98.3780, -23.8504, -50.3205
Hunter-Lab	43.1196, -32.2617, 21.8516

Details

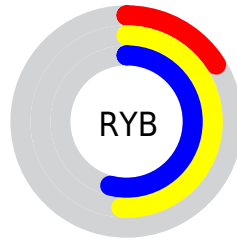
The Yxy color **18.5930, 0.2974, 0.5299** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.4586, 0.3356, 0.1892**, and the grayscale version is **12.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8910, 0.3058, 0.4774**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2667, 0.2970, 0.5564**, and if you desaturate by 10%, it is **19.0479, 0.2986, 0.4996**.

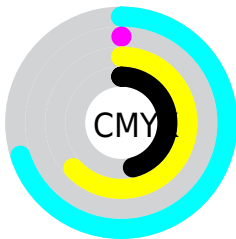
Distribution



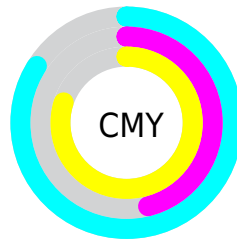
- Red (16%)
- Green (54%)
- Blue (20%)



- Red (16%)
- Yellow (51%)
- Blue (54%)



- Cyan (70%)
- Magenta (0%)
- Yellow (63%)
- Black (46%)





- Cyan (84%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5930, 0.2974, 0.5299 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 18.5930, 0.2974, 0.5299 by changing the saturation by 10% instead.


 18.5930, 0.2974,
0.5299


 18.5930, 0.2974,
0.5299


244.1926, 0.3125,
0.4064


 11.3766, 0.2885,
0.5705


 41.0452, 0.3059,
0.4782


 6.3207, 0.2720,
0.6286


 57.0498, 0.3080,
0.4609


 3.0411, 0.2502,
0.7498

 76.7525, 0.3094,
0.4472

 1.1532, 0.0000,
1.0000

 100.5378, 0.3105,
0.4360

 0.0230, 0.0000,
1.0000

 128.7901, 0.3112,
0.4267

 0.0000, 0.0000,
0.0000

 161.8937, 0.3117,

0.4188

200.2331, 0.3121,
0.4122

■ 18.5930, 0.2974,
0.5299

■ 18.5930, 0.2974,
0.5299

■ 18.2667, 0.2970,
0.5564

■ 19.0479, 0.2986,
0.4996

■ 18.0536, 0.2973,
0.5772

■ 19.6404, 0.3004,
0.4675

■ 17.9215, 0.2976,
0.5914

■ 20.3814, 0.3026,
0.4355

■ 21.2800, 0.3051,
0.4050

■ 22.3445, 0.3077,
0.3769

■ 23.5827, 0.3102,
0.3516

■ 25.0020, 0.3127,
0.3292

■ 26.6092, 0.3150,
0.3096

■ 28.4108, 0.3172,
0.2926

Harmonies

Analogous

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



18.5930, 0.3976, 0.5256



18.5930, 0.2974, 0.5299



18.5930, 0.2063, 0.4330

Triad

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



18.5930, 0.2974, 0.5299



18.5930, 0.1519, 0.1774



18.5930, 0.5046, 0.3109

Complementary

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



18.5930, 0.2974, 0.5299



8.4586, 0.3356, 0.1892

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.



18.5930, 0.4105, 0.2464



18.5930, 0.2974, 0.5299



18.5930, 0.2039, 0.1735

Square

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



18.5930, 0.2974, 0.5299



18.5930, 0.1342, 0.2162



18.5930, 0.2943, 0.1978



18.5930, 0.5284, 0.3828

Rectangle

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



18.5930, 0.2974, 0.5299



18.5930, 0.1642, 0.3437



18.5930, 0.2943, 0.1978



18.5930, 0.4795, 0.2883

Sweetspot

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



18.5938, 0.2974, 0.5299



39.7348, 0.3073, 0.3806



22.7196, 0.3946, 0.4872



8.8078, 0.3067, 0.3870



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5938, 0.2974, 0.5299



32.4674, 0.2971, 0.5692



19.2260, 0.2634, 0.4214



5.6154, 0.3105, 0.3494



16.6936, 0.2975, 0.5911



0.1118, 0.2869, 0.5530

Inverse Universe

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



8.4586, 0.3356, 0.1892



13.0741, 0.3411, 0.1739



7.4956, 0.4395, 0.2616



5.1210, 0.3150, 0.3094



6.3120, 0.3455, 0.1677



0.0430, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 18.5930, 0.2974, 0.5299 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 18.5930, 0.2974, 0.5299 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 18.5930, 0.2974, 0.5299

Background



This preview shows how black text looks on a background with the Yxy color 18.5930, 0.2974, 0.5299.



This preview shows how white text looks on a background with the Yxy color 18.5930, 0.2974, 0.5299.

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

18.5930, 0.2974, 0.5299

Protanopia

18.2886, 0.4145, 0.4571

Deuteranopia

18.2167, 0.4289, 0.4224



Tritanopia

18.4957, 0.2432, 0.3062

Trichromacy



Original Color

18.5930, 0.2974, 0.5299



Protanomaly

17.7796, 0.3611, 0.4894



Deuteranomaly

17.3736, 0.3702, 0.4658



Tritanomaly

18.1937, 0.2636, 0.3833

Monochromacy



Original Color

18.5930, 0.2974, 0.5299



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

13.7602, 0.3042, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5930, 0.2974, 0.5299 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(41, 137, 50)` looks like.

```
.text, #text, p{  
    color:rgb(41, 137, 50)  
}
```

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(41, 137, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 137, 50) }
```

Border

The CSS property to change the border of an element to Yxy 18.5930, 0.2974, 0.5299 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(41, 137, 50) }
```

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

```
.border{ border-color:rgb(41, 137, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 137, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 137, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 137, 50);  
box-shadow:4px 4px 4px 4px rgb(41, 137,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5930, 0.2974, 0.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 137, 50) }
```

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

```
.background{ background-color: rgb(41, 137,  
50) }
```

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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