

Converting Colors

$Y_{xy}(17.9272, 0.2816, 0.4548)$

Have a look what the booklet for
Yxy(17.9272, 0.2816, 0.4548)
contains.

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Color

Yxy(18.0324, 0.2811, 0.4546)

Conversions

Conversions Part 1

Format	Color
Hex	328550
RGB	50, 133, 80
RGB Percent	20%, 52%, 31%
CMY	0.8040, 0.4784, 0.6862
CMYK	0.62, 0.00, 0.40, 0.48
HSL	142°, 45%, 36%
HSV	142°, 62%, 52%
XYZ	11.1503, 18.0324, 10.4839
YIQ	102.1410, -32.4550, -34.0790

Conversions

Conversions Part 2

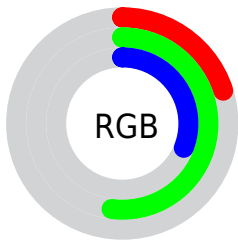
Format	Color
RYB	50, 111, 133
Decimal	3310928
CIELab	49.54, -37.71, 21.32
CIELCh	50, 43.325, 150.515
Yxy	18.0324, 0.2811, 0.4546
Android (android.graphics.Color)	4281501008 (0xFF328550)
YUV	102.1410, -10.9155, -45.7277
Hunter-Lab	42.4646, -27.4428, 15.0874

Details

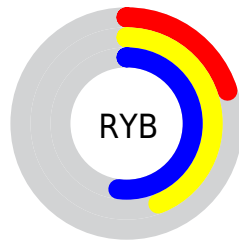
The Yxy color **18.0324, 0.2811, 0.4546** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.2449, 0.3765, 0.2341**, and the grayscale version is **13.3603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1556, 0.2902, 0.4218**, and **6.1501, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **17.6253, 0.2795, 0.4786**, and if you desaturate by 10%, it is **18.5551, 0.2841, 0.4308**.

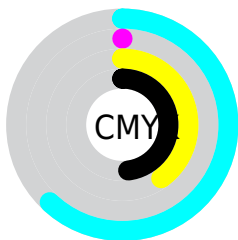
Distribution



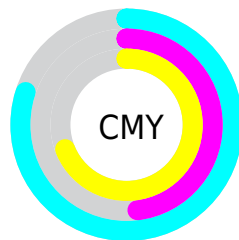
- Red (20%)
- Green (52%)
- Blue (31%)



- Red (20%)
- Yellow (44%)
- Blue (52%)



- Cyan (62%)
- Magenta (0%)
- Yellow (40%)
- Black (48%)





- Cyan (80%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0324, 0.2811, 0.4546 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 18.0324, 0.2811, 0.4546 by changing the saturation by 10% instead.


 18.0324, 0.2811,
0.4546


 18.0324, 0.2811,
0.4546


241.0536, 0.3017,
0.3776

 10.9733, 0.2733,
0.4809


 40.0925, 0.2902,
0.4221


 6.0489, 0.2607,
0.5203

 55.8623, 0.2931,
0.4114

 2.8748, 0.2384,
0.5856

 75.3044, 0.2953,
0.4029

 1.0667, 0.0719,
0.9281

 98.8032, 0.2971,
0.3959

 0.0000, 0.0000,
0.0000

 126.7431, 0.2986,
0.3902

 159.5086, 0.2998,

0.3853

197.4839, 0.3008,
0.3812

■ 18.0324, 0.2811,
0.4546

■ 18.0324, 0.2811,
0.4546

■ 17.6253, 0.2795,
0.4786

■ 18.5551, 0.2841,
0.4308

■ 17.3221, 0.2796,
0.5019

■ 19.1994, 0.2883,
0.4079

■ 17.1128, 0.2813,
0.5236

■ 19.9736, 0.2934,
0.3864

■ 16.9906, 0.2830,
0.5388

■ 20.8846, 0.2991,
0.3666

■ 21.9387, 0.3051,
0.3487

■ 23.1420, 0.3112,
0.3326

■ 24.4999, 0.3173,
0.3184

■ 26.0180, 0.3233,
0.3058

■ 27.7012, 0.3291,
0.2947

Harmonies

Analogous

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



18.0324, 0.3596, 0.4826



18.0324, 0.2811, 0.4546



18.0324, 0.2155, 0.3736

Triad

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



18.0324, 0.2811, 0.4546



18.0324, 0.1973, 0.2067



18.0324, 0.4679, 0.3392

Complementary

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



18.0324, 0.2811, 0.4546



8.2449, 0.3765, 0.2341

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.



18.0324, 0.4124, 0.2828



18.0324, 0.2811, 0.4546



18.0324, 0.2504, 0.2104

Square

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



18.0324, 0.2811, 0.4546



18.0324, 0.1733, 0.2307



18.0324, 0.3285, 0.2373



18.0324, 0.4721, 0.3993

Rectangle

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



18.0324, 0.2811, 0.4546



18.0324, 0.1873, 0.3138



18.0324, 0.3285, 0.2373



18.0324, 0.4545, 0.3197

Sweetspot

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



18.0331, 0.2811, 0.4546



37.9349, 0.3009, 0.3611



19.9461, 0.3603, 0.4900



8.4467, 0.2994, 0.3656



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.0331, 0.2811, 0.4546



31.3068, 0.2793, 0.4887



18.8233, 0.2484, 0.3563



5.2305, 0.3071, 0.3432



16.1841, 0.2829, 0.5385



0.0574, 0.2599, 0.4556

Inverse Universe

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



8.2449, 0.3765, 0.2341



12.1989, 0.3980, 0.2208



7.6187, 0.4718, 0.3074



4.7350, 0.3188, 0.3152



5.3745, 0.4344, 0.2167



0.0200, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 18.0324, 0.2811, 0.4546 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 18.0324, 0.2811, 0.4546 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 18.0324, 0.2811, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 18.0324, 0.2811, 0.4546.



This preview shows how white text looks on a background with the Yxy color 18.0324, 0.2811, 0.4546.

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

18.0324, 0.2811, 0.4546

Protanopia

17.8062, 0.3806, 0.4107

Deuteranopia

17.7332, 0.3857, 0.3783



Tritanopia

17.9211, 0.2439, 0.3059

Trichromacy



Original Color

18.0324, 0.2811, 0.4546

Protanomaly

17.3970, 0.3367, 0.4294

Deuteranomaly

17.1833, 0.3393, 0.4065

Tritanomaly

17.9536, 0.2576, 0.3577

Monochromacy



Original Color

18.0324, 0.2811, 0.4546

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.4574, 0.2968, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0324, 0.2811, 0.4546 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(50, 133, 80)` looks like.

```
.text, #text, p{  
    color:rgb(50, 133, 80)  
}
```

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(50, 133, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 133, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.0324, 0.2811, 0.4546 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(50, 133, 80) }
```

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

```
.border{ border-color:rgb(50, 133, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 133, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 133, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 133, 80);  
box-shadow:4px 4px 4px 4px rgb(50, 133,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0324, 0.2811, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 133, 80) }
```

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

```
.background{ background-color: rgb(50, 133,  
80) }
```

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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