

Converting Colors

$Y_{xy}(18.2266, 0.2845, 0.4753)$

Have a look what the booklet for
Yxy(18.2266, 0.2845, 0.4753)
contains.

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Color

Yxy(18.1121, 0.2842, 0.4742)

Conversions

Conversions Part 1

Format	Color
Hex	2E8649
RGB	46, 134, 73
RGB Percent	18%, 53%, 29%
CMY	0.8195, 0.4745, 0.7137
CMYK	0.66, 0.00, 0.46, 0.47
HSL	138°, 49%, 35%
HSV	138°, 66%, 53%
XYZ	10.8550, 18.1121, 9.2279
YIQ	100.7340, -32.8670, -37.6270

Conversions

Conversions Part 2

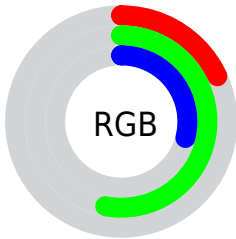
Format	Color
R_{YB}	46, 113, 134
Decimal	3049033
CIE _{Lab}	49.63, -40.31, 25.31
CIE _{LCh}	50, 47.595, 147.877
Yxy	18.1121, 0.2842, 0.4742
Android (android.graphics.Color)	4281239113 (0xFF2E8649)
YUV	100.7340, -13.6729, -48.0017
Hunter-Lab	42.5583, -28.9484, 16.9350

Details

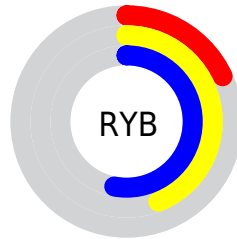
The Yxy color **18.1121, 0.2842, 0.4742** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.0855, 0.3708, 0.2227**, and the grayscale version is **12.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2213, 0.2928, 0.4356**, and **6.2656, 0.2830, 0.5388** is the 20% darker color. If you saturate the color by 10%, you get **17.7345, 0.2834, 0.4997**, and if you desaturate by 10%, it is **18.6068, 0.2864, 0.4483**.

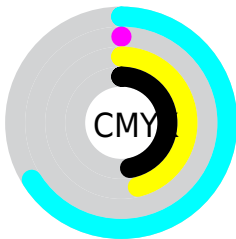
Distribution



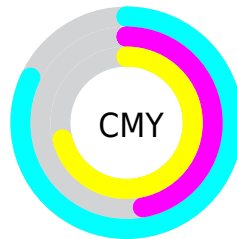
- Red (18%)
- Green (53%)
- Blue (29%)



- Red (18%)
- Yellow (44%)
- Blue (53%)



- Cyan (66%)
- Magenta (0%)
- Yellow (46%)
- Black (47%)





- Cyan (82%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1121, 0.2842, 0.4742 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 18.1121, 0.2842, 0.4742 by changing the saturation by 10% instead.


 18.1121, 0.2842,
0.4742


 18.1121, 0.2842,
0.4742


241.5021, 0.3038,
0.3849


 11.0305, 0.2761,
0.5046


 40.2282, 0.2932,
0.4364


 6.0874, 0.2628,
0.5502

 56.0316, 0.2960,
0.4240

 2.8983, 0.2402,
0.6300

 75.5110, 0.2980,
0.4141

 1.0789, 0.0266,
0.9734

 99.0508, 0.2997,
0.4061

 0.0000, 0.0000,
0.0000

 127.0354, 0.3010,
0.3994

 159.8492, 0.3021,

0.3938

197.8767, 0.3030,
0.3890

■ 18.1121, 0.2842,
0.4742

■ 18.1121, 0.2842,
0.4742

■ 17.7345, 0.2834,
0.4997

■ 18.6068, 0.2864,
0.4483

■ 17.4615, 0.2841,
0.5236

■ 19.2253, 0.2899,
0.4230

■ 17.2786, 0.2862,
0.5450

■ 19.9764, 0.2942,
0.3990

■ 17.2113, 0.2871,
0.5535

■ 20.8674, 0.2990,
0.3768

■ 21.9052, 0.3043,
0.3565

■ 23.0961, 0.3097,
0.3384

■ 24.4460, 0.3150,
0.3222

■ 25.9607, 0.3203,
0.3080

■ 27.6455, 0.3254,
0.2956

Harmonies

Analogous

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



18.1121, 0.3692, 0.4967



18.1121, 0.2842, 0.4742



18.1121, 0.2116, 0.3867

Triad

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



18.1121, 0.2842, 0.4742



18.1121, 0.1846, 0.1979



18.1121, 0.4794, 0.3328

Complementary

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



18.1121, 0.2842, 0.4742



8.0855, 0.3708, 0.2227

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.



18.1121, 0.4144, 0.2736



18.1121, 0.2842, 0.4742



18.1121, 0.2384, 0.1999

Square

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



18.1121, 0.2842, 0.4742



18.1121, 0.1618, 0.2255



18.1121, 0.3212, 0.2266



18.1121, 0.4878, 0.3969

Rectangle

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



18.1121, 0.2842, 0.4742



18.1121, 0.1799, 0.3194



18.1121, 0.3212, 0.2266



18.1121, 0.4633, 0.3122

Sweetspot

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



18.1128, 0.2842, 0.4742



37.6871, 0.3017, 0.3660



20.4114, 0.3670, 0.4943



8.3939, 0.3005, 0.3708



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.



18.1128, 0.2842, 0.4742



30.9797, 0.2835, 0.5121



18.9021, 0.2498, 0.3681



5.2265, 0.3078, 0.3444



16.1310, 0.2869, 0.5530



0.0571, 0.2645, 0.4723

Inverse Universe

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



8.0855, 0.3708, 0.2227



11.8659, 0.3896, 0.2093



7.3895, 0.4744, 0.2990



4.7392, 0.3180, 0.3141



5.4906, 0.4138, 0.2053



0.0203, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 18.1121, 0.2842, 0.4742 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 18.1121, 0.2842, 0.4742 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 18.1121, 0.2842, 0.4742

Background



This preview shows how black text looks on a background with the Yxy color 18.1121, 0.2842, 0.4742.



This preview shows how white text looks on a background with the Yxy color 18.1121, 0.2842, 0.4742.

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

18.1121, 0.2842, 0.4742

Protanopia

17.7950, 0.3902, 0.4227

Deuteranopia

17.8011, 0.3977, 0.3900



Tritanopia

18.1431, 0.2436, 0.3080

Trichromacy



Original Color

18.1121, 0.2842, 0.4742

Protanomaly

17.2482, 0.3428, 0.4444

Deuteranomaly

17.0189, 0.3459, 0.4216

Tritanomaly

18.1100, 0.2582, 0.3646

Monochromacy



Original Color

18.1121, 0.2842, 0.4742

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.3149, 0.2977, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1121, 0.2842, 0.4742 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(46, 134, 73)` looks like.

```
.text, #text, p{  
    color:rgb(46, 134, 73)  
}
```

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(46, 134, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 134, 73) }
```

Border

The CSS property to change the border of an element to Yxy 18.1121, 0.2842, 0.4742 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(46, 134, 73) }
```

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

```
.border{ border-color:rgb(46, 134, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 134, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 134, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 134, 73);  
box-shadow:4px 4px 4px 4px rgb(46, 134,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1121, 0.2842, 0.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 134, 73) }
```

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

```
.background{ background-color: rgb(46, 134,  
73) }
```

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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