

Converting Colors

$Y_{xy}(17.3425, 0.2673, 0.4659)$

Have a look what the booklet for
Yxy(17.3425, 0.2673, 0.4659)
contains.

Yxy(17.4493, 0.2679, 0.4677)	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(17.4493, 0.2679, 0.4677)

Conversions

Conversions Part 1

Format	Color
Hex	13854D
RGB	19, 133, 77
RGB Percent	7%, 52%, 30%
CMY	0.9257, 0.4784, 0.6980
CMYK	0.86, 0.00, 0.42, 0.48
HSL	151°, 75%, 30%
HSV	151°, 86%, 52%
XYZ	9.9950, 17.4493, 9.8644
YIQ	92.5300, -49.9680, -41.5840

Conversions

Conversions Part 2

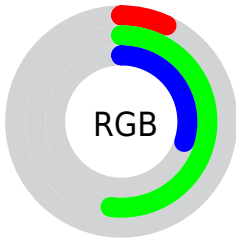
Format	Color
R_{YB}	19, 95, 133
Decimal	1279309
CIE _{Lab}	48.82, -43.40, 21.94
CIE _{LCh}	49, 48.627, 153.186
Yxy	17.4493, 0.2679, 0.4677
Android (android.graphics.Color)	4279469389 (0xFF13854D)
YUV	92.5300, -7.6563, -64.4858
Hunter-Lab	41.7724, -30.3913, 15.2395

Details

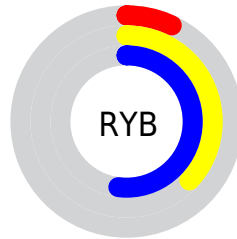
The Yxy color **17.4493, 0.2679, 0.4677** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.9577, 0.4591, 0.2448**, and the grayscale version is **10.8545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0514, 0.2803, 0.4302**, and **6.1335, 0.2789, 0.5240** is the 20% darker color. If you saturate the color by 10%, you get **17.2609, 0.2695, 0.4856**, and if you desaturate by 10%, it is **17.7200, 0.2680, 0.4492**.

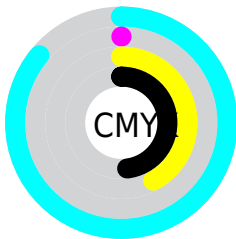
Distribution



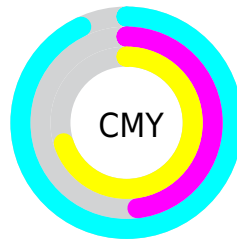
- Red (7%)
- Green (52%)
- Blue (30%)



- Red (7%)
- Yellow (37%)
- Blue (52%)



- Cyan (86%)
- Magenta (0%)
- Yellow (42%)
- Black (48%)





- Cyan (93%)
- Magenta (48%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4493, 0.2679, 0.4677 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 17.4493, 0.2679, 0.4677 by changing the saturation by 10% instead.


 17.4493, 0.2679,
0.4677


 17.4493, 0.2679,
0.4677


237.7484, 0.2966,
0.3819


 10.5553, 0.2572,
0.4975


 39.0967, 0.2805,
0.4312


 5.7687, 0.2404,
0.5426

 54.6189, 0.2845,
0.4192


 2.7049, 0.2116,
0.6199

 73.7860, 0.2877,
0.4097

 0.9797, 0.0000,
1.0000

 96.9824, 0.2902,
0.4021

 0.0000, 0.0000,
0.0000

 124.5924, 0.2922,
0.3957

 157.0005, 0.2939,

0.3904

194.5910, 0.2954,
0.3858

■ 17.4493, 0.2679,
0.4677

■ 17.4493, 0.2679,
0.4677

■ 17.2609, 0.2695,
0.4856

■ 17.7200, 0.2680,
0.4492

■ 17.1900, 0.2703,
0.4932

■ 18.0858, 0.2700,
0.4305

■ 18.5567, 0.2737,
0.4122

■ 19.1412, 0.2788,
0.3945

■ 19.8465, 0.2851,
0.3779

■ 20.6796, 0.2922,
0.3625

■ 21.6466, 0.2999,
0.3485

■ 22.7535, 0.3080,
0.3357

■ 24.0056, 0.3162,
0.3243

Harmonies

Analogous

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



17.4493, 0.3548, 0.5041



17.4493, 0.2679, 0.4677



17.4493, 0.1981, 0.3696

Triad

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



17.4493, 0.2679, 0.4677



17.4493, 0.1884, 0.1926



17.4493, 0.4910, 0.3436

Complementary

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



17.4493, 0.2679, 0.4677



5.9577, 0.4591, 0.2448

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.



17.4493, 0.4331, 0.2818



17.4493, 0.2679, 0.4677



17.4493, 0.2491, 0.1995

Square

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



17.4493, 0.2679, 0.4677



17.4493, 0.1597, 0.2147



17.4493, 0.3385, 0.2310



17.4493, 0.4884, 0.4096

Rectangle

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



17.4493, 0.2679, 0.4677



17.4493, 0.1700, 0.3018



17.4493, 0.3385, 0.2310



17.4493, 0.4781, 0.3223

Sweetspot

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



17.4500, 0.2679, 0.4677



36.8976, 0.2916, 0.3638



18.3583, 0.3439, 0.5498



8.2109, 0.2895, 0.3681



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.



17.4500, 0.2679, 0.4677



30.7500, 0.2714, 0.4969



18.6076, 0.2277, 0.3287



5.2414, 0.3053, 0.3399



16.3744, 0.2702, 0.4928



0.0582, 0.2491, 0.4167

Inverse Universe

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



5.9577, 0.4591, 0.2448



9.5877, 0.4988, 0.2521



5.4974, 0.6014, 0.3299



4.7240, 0.3209, 0.3184



5.1181, 0.4936, 0.2493



0.0192, 0.4057, 0.2009

Previews

White Background



This preview shows how the Yxy color 17.4493, 0.2679, 0.4677 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 17.4493, 0.2679, 0.4677 looks on a black 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

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

Yxy 17.4493, 0.2679, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 17.4493, 0.2679, 0.4677.



This preview shows how white text looks on a background with the Yxy color 17.4493, 0.2679, 0.4677.

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

17.4493, 0.2679, 0.4677

Protanopia

17.1393, 0.3840, 0.4155

Deuteranopia

17.0794, 0.3882, 0.3808



Tritanopia

17.4293, 0.2349, 0.3074

Trichromacy



Original Color

17.4493, 0.2679, 0.4677

Protanomaly

16.4263, 0.3237, 0.4397

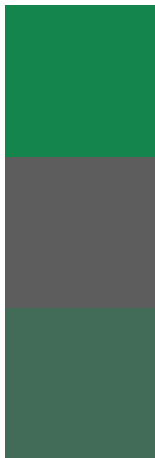
Deuteranomaly

15.9157, 0.3261, 0.4138

Tritanomaly

17.3894, 0.2454, 0.3611

Monochromacy



Original Color

17.4493, 0.2679, 0.4677

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.5715, 0.2840, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4493, 0.2679, 0.4677 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(19, 133, 77)` looks like.

```
.text, #text, p{  
    color:rgb(19, 133, 77)  
}
```

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(19, 133, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 133, 77) }
```

Border

The CSS property to change the border of an element to Yxy 17.4493, 0.2679, 0.4677 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(19, 133, 77) }
```

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

```
.border{ border-color:rgb(19, 133, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 133, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 133, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 133, 77);  
box-shadow:4px 4px 4px 4px rgb(19, 133,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4493, 0.2679, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 133, 77) }
```

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

```
.background{ background-color: rgb(19, 133,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor