

Converting Colors

$Y_{xy}(17.3410, 0.2986, 0.5308)$

Have a look what the booklet for
Yxy(17.3410, 0.2986, 0.5308)
contains.

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Color

Yxy(17.4517, 0.2992, 0.5319)

Conversions

Conversions Part 1

Format	Color
Hex	29852F
RGB	41, 133, 47
RGB Percent	16%, 52%, 18%
CMY	0.8390, 0.4784, 0.8156
CMYK	0.69, 0.00, 0.65, 0.48
HSL	124°, 53%, 34%
HSV	124°, 69%, 52%
XYZ	9.8168, 17.4517, 5.5416
YIQ	95.6880, -27.2260, -46.2500

Conversions

Conversions Part 2

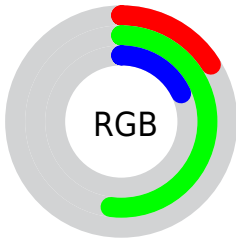
Format	Color
R_{YB}	41, 127, 133
Decimal	2721071
CIE _{Lab}	48.82, -44.82, 37.65
CIE _{LCh}	49, 58.536, 139.972
Yxy	17.4517, 0.2992, 0.5319
Android (android.graphics.Color)	4280911151 (0xFF29852F)
YUV	95.6880, -24.0032, -47.9614
Hunter-Lab	41.7752, -31.1608, 21.3776

Details

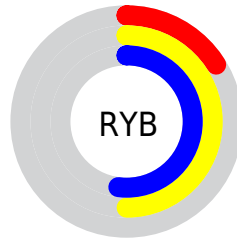
The Yxy color **17.4517, 0.2992, 0.5319** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.1092, 0.3302, 0.1872**, and the grayscale version is **11.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0564, 0.3071, 0.4783**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.1368, 0.2985, 0.5586**, and if you desaturate by 10%, it is **17.8891, 0.3005, 0.5010**.

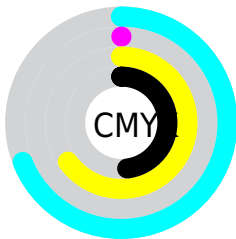
Distribution



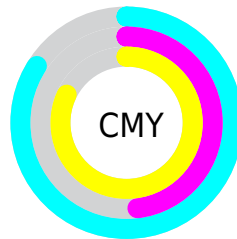
- Red (16%)
- Green (52%)
- Blue (18%)



- Red (16%)
- Yellow (50%)
- Blue (52%)



- Cyan (69%)
- Magenta (0%)
- Yellow (65%)
- Black (48%)





- Cyan (84%)
- Magenta (48%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4517, 0.2992, 0.5319 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 17.4517, 0.2992, 0.5319 by changing the saturation by 10% instead.


 17.4517, 0.2992,
0.5319


 17.4517, 0.2992,
0.5319


237.7621, 0.3134,
0.4062

 10.5571, 0.2902,
0.5737


 39.1008, 0.3075,
0.4790


 5.7698, 0.2731,
0.6343

 54.6240, 0.3095,
0.4614


 2.7056, 0.2470,
0.7530

 73.7923, 0.3108,
0.4474

 0.9801, 0.0000,
1.0000

 96.9899, 0.3118,
0.4361

 0.0000, 0.0000,
0.0000

 124.6013, 0.3124,
0.4267

 157.0109, 0.3129,

0.4188

194.6030, 0.3132,
0.4120

■ 17.4517, 0.2992,
0.5319

■ 17.4517, 0.2992,
0.5319

■ 17.1368, 0.2985,
0.5586

■ 17.8891, 0.3005,
0.5010

■ 16.9301, 0.2984,
0.5793

■ 18.4575, 0.3022,
0.4683

■ 16.8033, 0.2984,
0.5930

■ 19.1670, 0.3043,
0.4356

■ 16.7935, 0.2983,
0.5940

■ 20.0263, 0.3065,
0.4044

■ 21.0432, 0.3087,
0.3757

■ 22.2250, 0.3108,
0.3499

■ 23.5787, 0.3129,
0.3271

■ 25.1108, 0.3148,
0.3072

■ 26.8273, 0.3165,
0.2899

Harmonies

Analogous

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



17.4517, 0.3997, 0.5254



17.4517, 0.2992, 0.5319



17.4517, 0.2073, 0.4362

Triad

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



17.4517, 0.2992, 0.5319



17.4517, 0.1507, 0.1772



17.4517, 0.5042, 0.3094

Complementary

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



17.4517, 0.2992, 0.5319



8.1092, 0.3302, 0.1872

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.



17.4517, 0.4086, 0.2449



17.4517, 0.2992, 0.5319



17.4517, 0.2021, 0.1728

Square

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



17.4517, 0.2992, 0.5319



17.4517, 0.1336, 0.2169



17.4517, 0.2920, 0.1966



17.4517, 0.5295, 0.3813

Rectangle

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



17.4517, 0.2992, 0.5319



17.4517, 0.1645, 0.3463



17.4517, 0.2920, 0.1966



17.4517, 0.4785, 0.2868

Sweetspot

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



17.4524, 0.2992, 0.5319



37.2322, 0.3082, 0.3822



21.5554, 0.3977, 0.4829



8.2910, 0.3077, 0.3887



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.



17.4524, 0.2992, 0.5319



30.4542, 0.2984, 0.5714



18.0132, 0.2661, 0.4273



5.2093, 0.3108, 0.3499



15.9970, 0.2983, 0.5938



0.0557, 0.2908, 0.5668

Inverse Universe

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



8.1092, 0.3302, 0.1872



12.5151, 0.3341, 0.1708



7.1916, 0.4285, 0.2566



4.7578, 0.3146, 0.3089



6.1455, 0.3374, 0.1632



0.0217, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 17.4517, 0.2992, 0.5319 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 17.4517, 0.2992, 0.5319 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 17.4517, 0.2992, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 17.4517, 0.2992, 0.5319.



This preview shows how white text looks on a background with the Yxy color 17.4517, 0.2992, 0.5319.

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

17.4517, 0.2992, 0.5319

Protanopia

17.3251, 0.4164, 0.4590

Deuteranopia

17.1690, 0.4301, 0.4244



Tritanopia

17.3228, 0.2439, 0.3056

Trichromacy



Original Color

17.4517, 0.2992, 0.5319

Protanomaly

16.6423, 0.3638, 0.4905

Deuteranomaly

16.1991, 0.3720, 0.4671

Tritanomaly

17.0279, 0.2649, 0.3848

Monochromacy



Original Color

17.4517, 0.2992, 0.5319

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.0238, 0.3065, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4517, 0.2992, 0.5319 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, 133, 47)` looks like.

```
.text, #text, p{  
    color:rgb(41, 133, 47)  
}
```

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, 133, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 133, 47) }
```

Border

The CSS property to change the border of an element to Yxy 17.4517, 0.2992, 0.5319 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, 133, 47) }
```

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

```
.border{ border-color:rgb(41, 133, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 133, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 133, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 133, 47);  
box-shadow:4px 4px 4px 4px rgb(41, 133,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4517, 0.2992, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 133, 47) }
```

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

```
.background{ background-color: rgb(41, 133,  
47) }
```

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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