

Converting Colors

$Y_{xy}(17.2004, 0.2958, 0.5639)$

Have a look what the booklet for
Yxy(17.2004, 0.2958, 0.5639)
contains.

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Color

Yxy(17.2984, 0.2957, 0.5641)

Conversions

Conversions Part 1

Format	Color
Hex	138621
RGB	19, 134, 33
RGB Percent	7%, 53%, 13%
CMY	0.9256, 0.4745, 0.8706
CMYK	0.86, 0.00, 0.75, 0.47
HSL	127°, 75%, 30%
HSV	127°, 86%, 53%
XYZ	9.0678, 17.2984, 4.2993
YIQ	88.1010, -36.1190, -55.7910

Conversions

Conversions Part 2

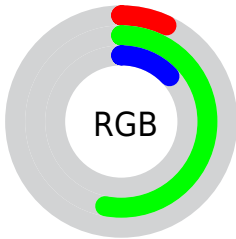
Format	Color
RYB	19, 122, 134
Decimal	1279521
CIELab	48.63, -50.13, 43.33
CIElCh	49, 66.260, 139.158
Yxy	17.2984, 0.2957, 0.5641
Android (android.graphics.Color)	4279469601 (0xFF138621)
YUV	88.1010, -27.1648, -60.6016
Hunter-Lab	41.5913, -33.8681, 22.9851

Details

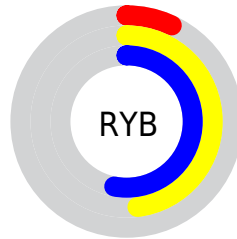
The Yxy color **17.2984, 0.2957, 0.5641** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8895, 0.3474, 0.1779**, and the grayscale version is **9.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6812, 0.3070, 0.5030**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.1421, 0.2966, 0.5822**, and if you desaturate by 10%, it is **17.5519, 0.2955, 0.5401**.

Distribution



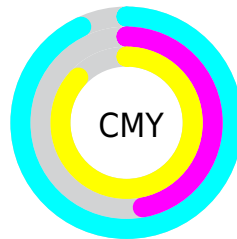
- Red (7%)
- Green (53%)
- Blue (13%)



- Red (7%)
- Yellow (48%)
- Blue (53%)



- Cyan (86%)
- Magenta (0%)
- Yellow (75%)
- Black (47%)




- Cyan (93%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2984, 0.2957, 0.5641 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 17.2984, 0.2957, 0.5641 by changing the saturation by 10% instead.


 17.2984, 0.2957,
0.5641

 17.2984, 0.2957,
0.5641


236.8861, 0.3144,
0.4182


 10.4475, 0.2835,
0.6116


 38.8381, 0.3068,
0.5029


 5.6966, 0.2635,
0.6857

 54.2957, 0.3094,
0.4825


 2.6615, 0.2169,
0.7831

 73.3910, 0.3112,
0.4662

 0.9577, 0.0000,
1.0000

 96.5083, 0.3123,
0.4529

 0.0000, 0.0000,
0.0000

 124.0321, 0.3131,
0.4420

 156.3467, 0.3137,

0.4328

193.8366, 0.3141,
0.4249

17.2984, 0.2957,
0.5641

17.2984, 0.2957,
0.5641

17.1421, 0.2966,
0.5822

17.5519, 0.2955,
0.5401

17.0895, 0.2967,
0.5881

17.9176, 0.2962,
0.5118

18.4075, 0.2977,
0.4810

19.0315, 0.2998,
0.4496

19.7985, 0.3024,
0.4191

■ 20.7168, 0.3052,
0.3906

■ 21.7938, 0.3082,
0.3645

■ 23.0366, 0.3111,
0.3413

■ 24.4518, 0.3139,
0.3208

Harmonies

Analogous

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



17.2984, 0.4056, 0.5445



17.2984, 0.2957, 0.5641



17.2984, 0.1953, 0.4565

Triad

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



17.2984, 0.2957, 0.5641



17.2984, 0.1346, 0.1624



17.2984, 0.5269, 0.3018

Complementary

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



17.2984, 0.2957, 0.5641



6.8895, 0.3474, 0.1779

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.



17.2984, 0.4168, 0.2336



17.2984, 0.2957, 0.5641



17.2984, 0.1879, 0.1578

Square

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



17.2984, 0.2957, 0.5641



17.2984, 0.1170, 0.2045



17.2984, 0.2850, 0.1825



17.2984, 0.5539, 0.3777

Rectangle

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



17.2984, 0.2957, 0.5641



17.2984, 0.1492, 0.3504



17.2984, 0.2850, 0.1825



17.2984, 0.4974, 0.2780

Sweetspot

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



17.2991, 0.2957, 0.5641



36.3704, 0.3050, 0.3926



21.1330, 0.3975, 0.5101



8.0830, 0.3042, 0.4007



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.



17.2991, 0.2957, 0.5641



30.0954, 0.2973, 0.5904



17.9260, 0.2587, 0.4360



5.2133, 0.3101, 0.3486



16.0155, 0.2966, 0.5878



0.0560, 0.2836, 0.5409

Inverse Universe

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



6.8895, 0.3474, 0.1779



11.2058, 0.3541, 0.1724



5.8934, 0.4954, 0.2663



4.7533, 0.3154, 0.3101



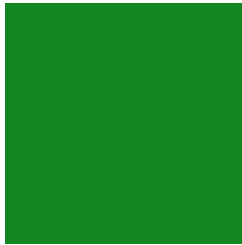
5.9693, 0.3532, 0.1719



0.0214, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 17.2984, 0.2957, 0.5641 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 17.2984, 0.2957, 0.5641 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 17.2984, 0.2957, 0.5641

Background



This preview shows how black text looks on a background with the Yxy color 17.2984, 0.2957, 0.5641.



This preview shows how white text looks on a background with the Yxy color 17.2984, 0.2957, 0.5641.

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

17.2984, 0.2957, 0.5641

Protanopia

17.0124, 0.4279, 0.4729

Deuteranopia

16.9513, 0.4438, 0.4365



Tritanopia

17.3160, 0.2388, 0.3074

Trichromacy



Original Color

17.2984, 0.2957, 0.5641

Protanomaly

16.1367, 0.3627, 0.5172

Deuteranomaly

15.7000, 0.3724, 0.4921

Tritanomaly

16.8557, 0.2607, 0.4009

Monochromacy



Original Color

17.2984, 0.2957, 0.5641

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.5773, 0.3017, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2984, 0.2957, 0.5641 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, 134, 33)` looks like.

```
.text, #text, p{  
    color:rgb(19, 134, 33)  
}
```

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, 134, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 134, 33) }
```

Border

The CSS property to change the border of an element to Yxy 17.2984, 0.2957, 0.5641 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, 134, 33) }
```

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

```
.border{ border-color:rgb(19, 134, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 134, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 134, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 134, 33);  
box-shadow:4px 4px 4px 4px rgb(19, 134,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2984, 0.2957, 0.5641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 134, 33) }
```

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

```
.background{ background-color: rgb(19, 134,  
33) }
```

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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