

Converting Colors

$Y_{xy}(17.2327, 0.3051, 0.5781)$

Have a look what the booklet for
Yxy(17.2327, 0.3051, 0.5781)
contains.

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Color

Yxy(17.3584, 0.3051, 0.5788)

Conversions

Conversions Part 1

Format	Color
Hex	1D8613
RGB	29, 134, 19
RGB Percent	11%, 53%, 7%
CMY	0.8861, 0.4745, 0.9257
CMYK	0.78, 0.00, 0.86, 0.47
HSL	115°, 75%, 30%
HSV	115°, 86%, 53%
XYZ	9.1500, 17.3584, 3.4819
YIQ	89.4950, -25.6650, -58.0250

Conversions

Conversions Part 2

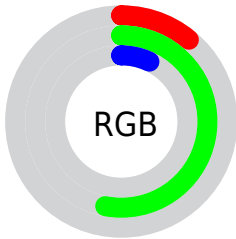
Format	Color
R_{YB}	19, 134, 124
Decimal	1934867
CIE _{Lab}	48.71, -49.76, 48.08
CIE _{LCh}	49, 69.197, 135.981
Yxy	17.3584, 0.3051, 0.5788
Android (android.graphics.Color)	4280124947 (0xFF1D8613)
YUV	89.4950, -34.7540, -53.0541
Hunter-Lab	41.6634, -33.7091, 24.2094

Details

The Yxy color **17.3584, 0.3051, 0.5788** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.4629, 0.3025, 0.1524**, and the grayscale version is **10.1913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7880, 0.3155, 0.5156**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.1801, 0.3031, 0.5929**, and if you desaturate by 10%, it is **17.6336, 0.3072, 0.5574**.

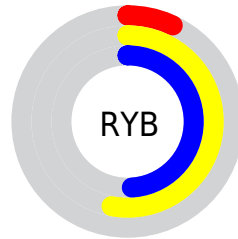
Distribution



Red (11%)

Green (53%)

Blue (7%)



Red (7%)

Yellow (53%)

Blue (49%)

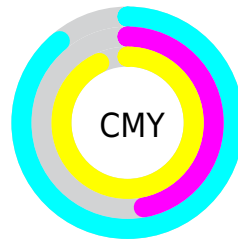


Cyan (78%)

Magenta (0%)

Yellow (86%)

Black (47%)



Cyan (89%)


Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3584, 0.3051, 0.5788 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 17.3584, 0.3051, 0.5788 by changing the saturation by 10% instead.


 17.3584, 0.3051,
0.5788


 17.3584, 0.3051,
0.5788


237.2293, 0.3201,
0.4250


 10.4904, 0.2927,
0.6269


 38.9410, 0.3155,
0.5152


 5.7253, 0.2761,
0.7116

 54.4243, 0.3177,
0.4936


 2.6788, 0.2196,
0.7804

 73.5481, 0.3189,
0.4763

 0.9664, 0.0000,
1.0000


 96.6969, 0.3196,
0.4622

 0.0000, 0.0000,
0.0000

 124.2550, 0.3199,
0.4505


 156.6069, 0.3201,


0.4407

 194.1369, 0.3201,
0.4322


 17.3584, 0.3051,
0.5788


 17.3584, 0.3051,
0.5788

 17.1801, 0.3031,
0.5929


 17.6336, 0.3072,
0.5574

 17.1268, 0.3028,
0.5978

 18.0161, 0.3090,
0.5298

 18.5163, 0.3105,
0.4979

 19.1428, 0.3116,
0.4642

 19.9036, 0.3124,
0.4307

■ 20.8057, 0.3128,
0.3988

■ 21.8559, 0.3129,
0.3694

■ 23.0603, 0.3128,
0.3430

■ 24.4250, 0.3126,
0.3197

Harmonies

Analogous

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



17.3584, 0.4177, 0.5434



17.3584, 0.3051, 0.5788



17.3584, 0.1996, 0.4798

Triad

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



17.3584, 0.3051, 0.5788



17.3584, 0.1260, 0.1596



17.3584, 0.5270, 0.2918

Complementary

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



17.3584, 0.3051, 0.5788



6.4629, 0.3025, 0.1524

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.



17.3584, 0.4059, 0.2236



17.3584, 0.3051, 0.5788



17.3584, 0.1759, 0.1518

Square

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



17.3584, 0.3051, 0.5788



17.3584, 0.1115, 0.2070



17.3584, 0.2707, 0.1740



17.3584, 0.5638, 0.3681

Rectangle

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



17.3584, 0.3051, 0.5788



17.3584, 0.1493, 0.3676



17.3584, 0.2707, 0.1740



17.3584, 0.4934, 0.2679

Sweetspot

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



17.3591, 0.3051, 0.5788



36.5353, 0.3128, 0.4010



19.1563, 0.4291, 0.4844



8.1223, 0.3127, 0.4101



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.



17.3591, 0.3051, 0.5788



30.1442, 0.3021, 0.5983



17.5696, 0.2770, 0.4993



5.2229, 0.3129, 0.3513



16.0526, 0.3028, 0.5977



0.0568, 0.3154, 0.5878

Inverse Universe

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



6.4629, 0.3025, 0.1524



10.3195, 0.2990, 0.1421



6.2367, 0.4243, 0.2238



4.7426, 0.3124, 0.3075



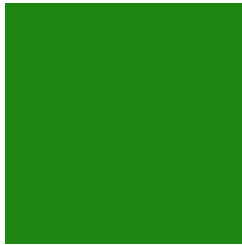
5.5090, 0.2996, 0.1424



0.0206, 0.3108, 0.1486

Previews

White Background



This preview shows how the Yxy color 17.3584, 0.3051, 0.5788 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 17.3584, 0.3051, 0.5788 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 17.3584, 0.3051, 0.5788

Background



This preview shows how black text looks on a background with the Yxy color 17.3584, 0.3051, 0.5788.



This preview shows how white text looks on a background with the Yxy color 17.3584, 0.3051, 0.5788.

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

17.3584, 0.3051, 0.5788

Protanopia

17.0364, 0.4365, 0.4826

Deuteranopia

16.9821, 0.4527, 0.4455



Tritanopia

17.4406, 0.2415, 0.3076

Trichromacy



Original Color

17.3584, 0.3051, 0.5788

Protanomaly

16.2807, 0.3750, 0.5282

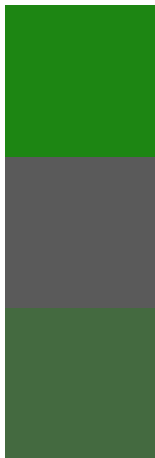
Deuteranomaly

15.8704, 0.3850, 0.5017

Tritanomaly

16.9068, 0.2688, 0.4128

Monochromacy



Original Color

17.3584, 0.3051, 0.5788

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.9072, 0.3126, 0.4398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3584, 0.3051, 0.5788 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(29, 134, 19)` looks like.

```
.text, #text, p{  
  color:rgb(29, 134, 19)  
}
```

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(29, 134, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 134, 19) }
```

Border

The CSS property to change the border of an element to Yxy 17.3584, 0.3051, 0.5788 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(29, 134, 19) }
```

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

```
.border{ border-color:rgb(29, 134, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 134, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 134, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 134, 19);  
box-shadow:4px 4px 4px 4px rgb(29, 134,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3584, 0.3051, 0.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 134, 19) }
```

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

```
.background{ background-color: rgb(29, 134,  
19) }
```

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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