

Converting Colors

$Y_{xy}(17.9843, 0.3044, 0.5230)$

Have a look what the booklet for
Yxy(17.9843, 0.3044, 0.5230)
contains.

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Color

Yxy(17.9843, 0.3044, 0.5230)

Conversions

Conversions Part 1

Format	Color
Hex	338632
RGB	51, 134, 50
RGB Percent	20%, 53%, 20%
CMY	0.7998, 0.4745, 0.8040
CMYK	0.62, 0.00, 0.63, 0.47
HSL	119°, 46%, 36%
HSV	119°, 63%, 53%
XYZ	10.4673, 17.9843, 5.9352
YIQ	99.6070, -22.5040, -43.7200

Conversions

Conversions Part 2

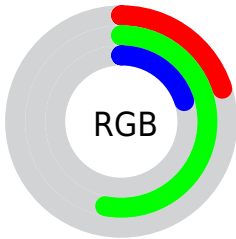
Format	Color
RYB	50, 134, 133
Decimal	3376690
CIELab	49.48, -42.56, 37.06
CIELCh	49, 56.437, 138.955
Yxy	17.9843, 0.3044, 0.5230
Android (android.graphics.Color)	4281566770 (0xFF338632)
YUV	99.6070, -24.4563, -42.6283
Hunter-Lab	42.4079, -30.1555, 21.3876




Details

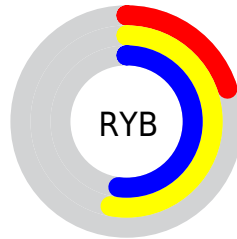
The Yxy color **17.9843, 0.3044, 0.5230** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.9827, 0.3175, 0.1888**, and the grayscale version is **12.7091, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.0123, 0.3109, 0.4721**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.5895, 0.3029, 0.5525**, and if you desaturate by 10%, it is **18.5124, 0.3060, 0.4897**.

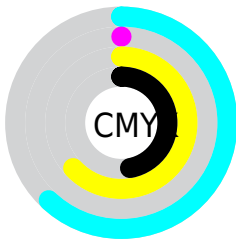
Distribution







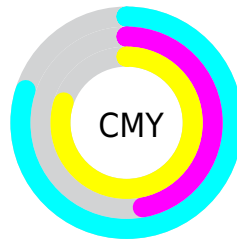
-  Red (20%)
-  Green (53%)
-  Blue (20%)






-  Red (20%)
-  Yellow (53%)
-  Blue (52%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (63%)
-  Black (47%)




-  Cyan (80%)
-  Magenta (47%)
-  Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9843, 0.3044, 0.5230 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 17.9843, 0.3044, 0.5230 by changing the saturation by 10% instead.


 17.9843, 0.3044,
0.5230


 17.9843, 0.3044,
0.5230


240.7825, 0.3151,
0.4036


 10.9387, 0.2969,
0.5624


 40.0106, 0.3110,
0.4730


 6.0256, 0.2822,
0.6189

 55.7600, 0.3126,
0.4563


 2.8607, 0.2632,
0.7368

 75.1796, 0.3135,
0.4430

 1.0594, 0.0000,
1.0000

 98.6537, 0.3141,
0.4322

 0.0000, 0.0000,
0.0000

 126.5666, 0.3146,
0.4232

 159.3028, 0.3148,

0.4157

197.2466, 0.3150,
0.4092

■ 17.9843, 0.3044,
0.5230

■ 17.9843, 0.3044,
0.5230

■ 17.5895, 0.3029,
0.5525

■ 18.5124, 0.3060,
0.4897

■ 17.3140, 0.3017,
0.5758

■ 19.1816, 0.3075,
0.4552

■ 17.1450, 0.3008,
0.5913

■ 20.0021, 0.3090,
0.4214

■ 17.0609, 0.3004,
0.5997

■ 20.9821, 0.3103,
0.3897

■ 22.1296, 0.3115,
0.3609

■ 23.4518, 0.3125,
0.3353

■ 24.9557, 0.3133,
0.3130

■ 26.6477, 0.3141,
0.2935

■ 28.5341, 0.3147,
0.2768

Harmonies

Analogous

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



17.9843, 0.4012, 0.5164



17.9843, 0.3044, 0.5230



17.9843, 0.2147, 0.4351

Triad

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



17.9843, 0.3044, 0.5230



17.9843, 0.1551, 0.1834



17.9843, 0.4936, 0.3088

Complementary

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



17.9843, 0.3044, 0.5230



8.9827, 0.3175, 0.1888

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.



17.9843, 0.4008, 0.2463



17.9843, 0.3044, 0.5230



17.9843, 0.2040, 0.1777

Square

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



17.9843, 0.3044, 0.5230



17.9843, 0.1395, 0.2239



17.9843, 0.2897, 0.2000



17.9843, 0.5214, 0.3789

Rectangle

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



17.9843, 0.3044, 0.5230



17.9843, 0.1721, 0.3503



17.9843, 0.2897, 0.2000



17.9843, 0.4682, 0.2868

Sweetspot

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



17.9851, 0.3044, 0.5230



37.5989, 0.3107, 0.3799



21.9639, 0.3990, 0.4676



8.3639, 0.3104, 0.3872



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.



17.9851, 0.3044, 0.5230



30.7754, 0.3024, 0.5625



18.4760, 0.2727, 0.4303



5.2073, 0.3118, 0.3514



15.9891, 0.3004, 0.5997



0.0556, 0.3023, 0.5982

Inverse Universe

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



8.9827, 0.3175, 0.1888



13.5296, 0.3179, 0.1692



8.1454, 0.3996, 0.2510



4.7599, 0.3135, 0.3076



6.2342, 0.3179, 0.1525



0.0218, 0.3195, 0.1534

Previews

White Background



This preview shows how the Yxy color 17.9843, 0.3044, 0.5230 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 17.9843, 0.3044, 0.5230 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 17.9843, 0.3044, 0.5230

Background



This preview shows how black text looks on a background with the Yxy color 17.9843, 0.3044, 0.5230.



This preview shows how white text looks on a background with the Yxy color 17.9843, 0.3044, 0.5230.

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

17.9843, 0.3044, 0.5230

Protanopia

17.6579, 0.4140, 0.4558

Deuteranopia

17.5936, 0.4284, 0.4205



Tritanopia

17.8225, 0.2481, 0.3060

Trichromacy



Original Color

17.9843, 0.3044, 0.5230

Protanomaly

17.1379, 0.3660, 0.4839

Deuteranomaly

16.7750, 0.3754, 0.4599

Tritanomaly

17.5483, 0.2690, 0.3812

Monochromacy



Original Color

17.9843, 0.3044, 0.5230

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.9914, 0.3093, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9843, 0.3044, 0.5230 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(51, 134, 50)` looks like.

```
.text, #text, p{  
    color:rgb(51, 134, 50)  
}
```

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(51, 134, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 134, 50) }
```

Border

The CSS property to change the border of an element to Yxy 17.9843, 0.3044, 0.5230 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(51, 134, 50) }
```

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

```
.border{ border-color:rgb(51, 134, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 134, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 134, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 134, 50);  
box-shadow:4px 4px 4px 4px rgb(51, 134,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9843, 0.3044, 0.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 134, 50) }
```

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

```
.background{ background-color: rgb(51, 134,  
50) }
```

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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