

Converting Colors

$Y_{xy}(17.8565, 0.3253, 0.5198)$

Have a look what the booklet for
Yxy(17.8565, 0.3253, 0.5198)
contains.

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Color

Yxy(17.9941, 0.3251, 0.5199)

Conversions

Conversions Part 1

Format	Color
Hex	46842D
RGB	70, 132, 45
RGB Percent	27%, 52%, 18%
CMY	0.7254, 0.4824, 0.8234
CMYK	0.47, 0.00, 0.66, 0.48
HSL	103°, 49%, 35%
HSV	103°, 66%, 52%
XYZ	11.2519, 17.9941, 5.3647
YIQ	103.5440, -9.0250, -40.2010

Conversions

Conversions Part 2

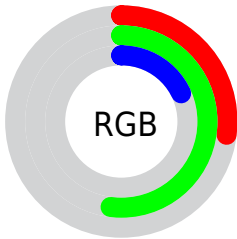
Format	Color
RYB	45, 132, 107
Decimal	4621357
CIELab	49.49, -36.77, 39.59
CIElCh	49, 54.034, 132.885
Yxy	17.9941, 0.3251, 0.5199
Android (android.graphics.Color)	4282811437 (0xFF46842D)
YUV	103.5440, -28.8622, -29.4181
Hunter-Lab	42.4195, -26.8862, 22.1954

Details

The Yxy color **17.9941, 0.3251, 0.5199** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.6703, 0.2767, 0.1652**, and the grayscale version is **13.7975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1550, 0.3267, 0.4721**, and **6.0991, 0.3065, 0.5948** is the 20% darker color. If you saturate the color by 10%, you get **17.5856, 0.3233, 0.5462**, and if you desaturate by 10%, it is **18.4908, 0.3255, 0.4901**.

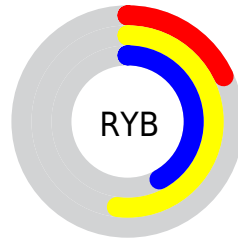
Distribution



Red (27%)

Green (52%)

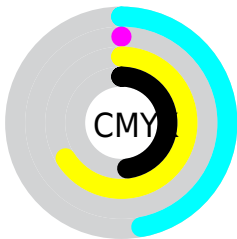
Blue (18%)



Red (18%)

Yellow (52%)

Blue (42%)

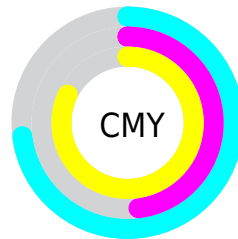


Cyan (47%)

Magenta (0%)

Yellow (66%)

Black (48%)



Cyan (73%)


Magenta (48%)


Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9941, 0.3251, 0.5199 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 17.9941, 0.3251, 0.5199 by changing the saturation by 10% instead.


 17.9941, 0.3251,
0.5199


 17.9941, 0.3251,
0.5199


240.8378, 0.3240,
0.4038


 10.9458, 0.3209,
0.5570


 40.0273, 0.3272,
0.4718


 6.0304, 0.3108,
0.6097

 55.7809, 0.3270,
0.4556

 2.8636, 0.2941,
0.7059

 75.2050, 0.3267,
0.4426

 1.0609, 0.0868,
0.9132

 98.6841, 0.3261,
0.4320

 0.0000, 0.0000,
0.0000

 126.6026, 0.3256,
0.4231

 159.3447, 0.3251,

0.4157

197.2950, 0.3245,
0.4093

■ 17.9941, 0.3251,
0.5199

■ 17.9941, 0.3251,
0.5199

■ 17.5856, 0.3233,
0.5462

■ 18.4908, 0.3255,
0.4901

■ 17.2574, 0.3203,
0.5674

■ 19.0783, 0.3248,
0.4588

■ 17.0024, 0.3162,
0.5827

■ 19.7622, 0.3230,
0.4274

■ 16.9133, 0.3147,
0.5883

■ 20.5468, 0.3206,
0.3971

■ 21.4360, 0.3178,
0.3689

■ 22.4337, 0.3146,
0.3430

■ 23.5435, 0.3114,
0.3197

■ 24.7688, 0.3082,
0.2990

■ 26.1129, 0.3050,
0.2805

Harmonies

Analogous

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



17.9941, 0.4171, 0.5002



17.9941, 0.3251, 0.5199



17.9941, 0.2347, 0.4527

Triad

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



17.9941, 0.3251, 0.5199



17.9941, 0.1545, 0.1935



17.9941, 0.4720, 0.2973

Complementary

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



17.9941, 0.3251, 0.5199



6.6703, 0.2767, 0.1652

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.



17.9941, 0.3755, 0.2387



17.9941, 0.3251, 0.5199



17.9941, 0.1955, 0.1814

Square

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



17.9941, 0.3251, 0.5199



17.9941, 0.1459, 0.2415



17.9941, 0.2715, 0.1978



17.9941, 0.5137, 0.3646

Rectangle

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



17.9941, 0.3251, 0.5199



17.9941, 0.1882, 0.3742



17.9941, 0.2715, 0.1978



17.9941, 0.4440, 0.2764

Sweetspot

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



17.9949, 0.3251, 0.5199



37.0231, 0.3191, 0.3815



15.3839, 0.4303, 0.4374



8.5328, 0.3198, 0.3883



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.



17.9949, 0.3251, 0.5199



30.6783, 0.3220, 0.5573



17.4133, 0.2913, 0.4965



5.2648, 0.3157, 0.3511



16.3788, 0.3148, 0.5882



0.0601, 0.3457, 0.5637

Inverse Universe

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



6.6703, 0.2767, 0.1652



9.0994, 0.2655, 0.1381



8.0126, 0.3516, 0.2083



4.6974, 0.3095, 0.3073



3.9233, 0.2513, 0.1158



0.0173, 0.2854, 0.1346

Previews

White Background



This preview shows how the Yxy color 17.9941, 0.3251, 0.5199 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 17.9941, 0.3251, 0.5199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

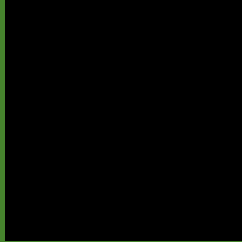
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9941, 0.3251, 0.5199

Background



This preview shows how black text looks on a background with the Yxy color 17.9941, 0.3251, 0.5199.



This preview shows how white text looks on a background with the Yxy color 17.9941, 0.3251, 0.5199.

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

17.9941, 0.3251, 0.5199

Protanopia

17.7080, 0.4188, 0.4600

Deuteranopia

17.6366, 0.4351, 0.4268



Tritanopia

17.8378, 0.2621, 0.3085

Trichromacy



Original Color

17.9941, 0.3251, 0.5199

Protanomaly

17.3374, 0.3818, 0.4838

Deuteranomaly

17.2670, 0.3914, 0.4622

Tritanomaly

17.5668, 0.2871, 0.3844

Monochromacy



Original Color

17.9941, 0.3251, 0.5199

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.9345, 0.3210, 0.3997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9941, 0.3251, 0.5199 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(70, 132, 45)` looks like.

```
.text, #text, p{  
    color:rgb(70, 132, 45)  
}
```

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(70, 132, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 132, 45) }
```

Border

The CSS property to change the border of an element to Yxy 17.9941, 0.3251, 0.5199 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(70, 132, 45) }
```

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

```
.border{ border-color:rgb(70, 132, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 132, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 132, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 132, 45);  
box-shadow:4px 4px 4px 4px rgb(70, 132,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9941, 0.3251, 0.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 132, 45) }
```

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

```
.background{ background-color: rgb(70, 132,  
45) }
```

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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