

Converting Colors

$Y_{xy}(19.8568, 0.3234, 0.5128)$

Have a look what the booklet for
Yxy(19.8568, 0.3234, 0.5128)
contains.

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Color

Yxy(19.8718, 0.3233, 0.5136)

Conversions

Conversions Part 1

Format	Color
Hex	4A8A33
RGB	74, 138, 51
RGB Percent	29%, 54%, 20%
CMY	0.7099, 0.4588, 0.7999
CMYK	0.46, 0.00, 0.63, 0.46
HSL	104°, 46%, 37%
HSV	104°, 63%, 54%
XYZ	12.5089, 19.8718, 6.3105
YIQ	108.9460, -10.2170, -40.6250

Conversions

Conversions Part 2

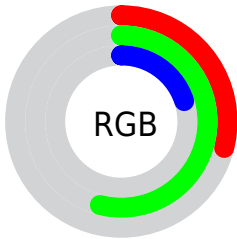
Format	Color
RYB	51, 138, 115
Decimal	4885043
CIELab	51.69, -37.45, 39.31
CIELCh	52, 54.292, 133.608
Yxy	19.8718, 0.3233, 0.5136
Android (android.graphics.Color)	4283075123 (0xFF4A8A33)
YUV	108.9460, -28.5674, -30.6476
Hunter-Lab	44.5778, -27.9227, 22.8112

Details

The Yxy color **19.8718, 0.3233, 0.5136** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.8532, 0.2819, 0.1723**, and the grayscale version is **15.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1509, 0.3250, 0.4682**, and **6.9179, 0.3090, 0.5929** is the 20% darker color. If you saturate the color by 10%, you get **19.3974, 0.3218, 0.5414**, and if you desaturate by 10%, it is **20.4492, 0.3236, 0.4828**.

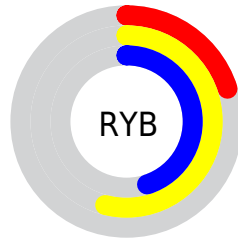
Distribution



Red (29%)

Green (54%)

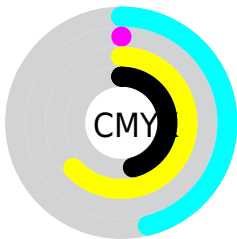
Blue (20%)



Red (20%)

Yellow (54%)

Blue (45%)

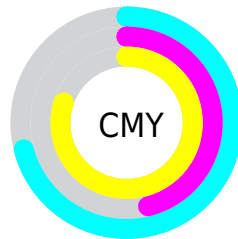


Cyan (46%)

Magenta (0%)

Yellow (63%)

Black (46%)



Cyan (71%)


Magenta (46%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8718, 0.3233, 0.5136 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 19.8718, 0.3233, 0.5136 by changing the saturation by 10% instead.


 19.8718, 0.3233,
0.5136


 19.8718, 0.3233,
0.5136


251.2203, 0.3229,
0.4027


 12.3019, 0.3195,
0.5484

 43.2021, 0.3254,
0.4681


 6.9496, 0.3105,
0.5971


 59.7314, 0.3253,
0.4526


 3.4306, 0.3022,
0.6978

 80.0158, 0.3251,
0.4402

 1.3605, 0.1886,
0.8114

 104.4399, 0.3247,
0.4300

 0.1873, 0.0000,
1.0000

 133.3880, 0.3242,
0.4214

 0.0000, 0.0000,
0.0000

 167.2445, 0.3238,

0.4142

206.3938, 0.3233,
0.4080

■ 19.8718, 0.3233,
0.5136

■ 19.8718, 0.3233,
0.5136

■ 19.3974, 0.3218,
0.5414

■ 20.4492, 0.3236,
0.4828

■ 19.0170, 0.3190,
0.5642

■ 21.1328, 0.3229,
0.4509

■ 18.7241, 0.3151,
0.5808

■ 21.9289, 0.3212,
0.4193

■ 18.5612, 0.3125,
0.5900

■ 22.8424, 0.3190,
0.3892

■ 23.8779, 0.3164,
0.3614

■ 25.0400, 0.3136,
0.3361

■ 26.3326, 0.3107,
0.3135

■ 27.7599, 0.3078,
0.2934

■ 29.3256, 0.3050,
0.2756

Harmonies

Analogous

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



19.8718, 0.4134, 0.4975



19.8718, 0.3233, 0.5136



19.8718, 0.2352, 0.4463

Triad

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



19.8718, 0.3233, 0.5136



19.8718, 0.1584, 0.1960



19.8718, 0.4694, 0.2999

Complementary

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



19.8718, 0.3233, 0.5136



7.8532, 0.2819, 0.1723

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.



19.8718, 0.3765, 0.2420



19.8718, 0.3233, 0.5136



19.8718, 0.1996, 0.1847

Square

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



19.8718, 0.3233, 0.5136



19.8718, 0.1493, 0.2424



19.8718, 0.2749, 0.2013



19.8718, 0.5087, 0.3663

Rectangle

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



19.8718, 0.3233, 0.5136



19.8718, 0.1900, 0.3703



19.8718, 0.2749, 0.2013



19.8718, 0.4425, 0.2793

Sweetspot

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



19.8726, 0.3233, 0.5136



40.8961, 0.3181, 0.3789



17.8612, 0.4221, 0.4386



9.0740, 0.3187, 0.3860



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8726, 0.3233, 0.5136



33.8600, 0.3206, 0.5526



19.3420, 0.2895, 0.4826



5.6679, 0.3153, 0.3513



17.0228, 0.3128, 0.5899



0.1194, 0.3424, 0.5663

Inverse Universe

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



7.8532, 0.2819, 0.1723



10.7639, 0.2719, 0.1447



9.0744, 0.3552, 0.2160



5.0637, 0.3098, 0.3072



4.2576, 0.2567, 0.1188



0.0354, 0.2886, 0.1363

Previews

White Background



This preview shows how the Yxy color 19.8718, 0.3233, 0.5136 looks on a white 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

Black Background



This preview shows how the Yxy color 19.8718, 0.3233, 0.5136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

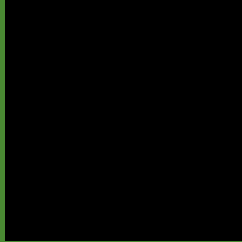
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8718, 0.3233, 0.5136

Background



This preview shows how black text looks on a background with the Yxy color 19.8718, 0.3233, 0.5136.



This preview shows how white text looks on a background with the Yxy color 19.8718, 0.3233, 0.5136.

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

19.8718, 0.3233, 0.5136

Protanopia

19.6895, 0.4151, 0.4563

Deuteranopia

19.6074, 0.4301, 0.4241



Tritanopia

19.7676, 0.2612, 0.3074

Trichromacy



Original Color

19.8718, 0.3233, 0.5136

Protanomaly

19.2292, 0.3786, 0.4792

Deuteranomaly

19.1540, 0.3873, 0.4582

Tritanomaly

19.4701, 0.2851, 0.3798

Monochromacy



Original Color

19.8718, 0.3233, 0.5136

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.6243, 0.3192, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8718, 0.3233, 0.5136 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(74, 138, 51)` looks like.

```
.text, #text, p{  
    color:rgb(74, 138, 51)  
}
```

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(74, 138, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 138, 51) }
```

Border

The CSS property to change the border of an element to Yxy 19.8718, 0.3233, 0.5136 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(74, 138, 51) }
```

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

```
.border{ border-color:rgb(74, 138, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 138, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 138, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 138, 51);  
box-shadow:4px 4px 4px 4px rgb(74, 138,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8718, 0.3233, 0.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 138, 51) }
```

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

```
.background{ background-color: rgb(74, 138,  
51) }
```

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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