

Converting Colors

$Y_{xy}(18.9136, 0.3421, 0.5530)$

Have a look what the booklet for
Yxy(18.9136, 0.3421, 0.5530)
contains.

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Color

Yxy(18.8675, 0.3420, 0.5526)

Conversions

Conversions Part 1

Format	Color
Hex	4B8712
RGB	75, 135, 18
RGB Percent	29%, 53%, 7%
CMY	0.7057, 0.4706, 0.9294
CMYK	0.44, 0.00, 0.87, 0.47
HSL	91°, 76%, 30%
HSV	91°, 87%, 53%
XYZ	11.6770, 18.8675, 3.5987
YIQ	103.7220, 1.7970, -49.1070

Conversions

Conversions Part 2

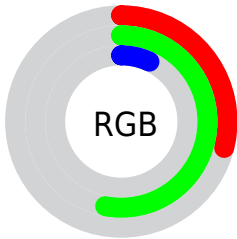
Format	Color
R _Y B	18, 135, 78
Decimal	4949778
CIE Lab	50.53, -38.21, 50.53
CIE LCh	51, 63.350, 127.101
Yxy	18.8675, 0.3420, 0.5526
Android (android.graphics.Color)	4283139858 (0xFF4B8712)
YUV	103.7220, -42.2609, -25.1892
Hunter-Lab	43.4367, -28.0287, 25.4936

Details

The Yxy color **18.8675, 0.3420, 0.5526** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.8005, 0.2222, 0.1093**, and the grayscale version is **13.8827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5567, 0.3430, 0.5004**, and **6.4598, 0.3112, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **18.5703, 0.3380, 0.5665**, and if you desaturate by 10%, it is **19.2208, 0.3442, 0.5339**.

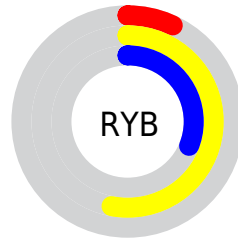
Distribution



Red (29%)

Green (53%)

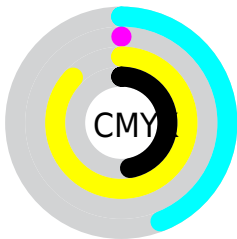
Blue (7%)



Red (7%)

Yellow (53%)

Blue (31%)

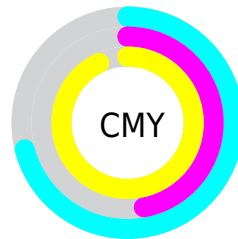


Cyan (44%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (71%)

Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8675, 0.3420, 0.5526 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 18.8675, 0.3420, 0.5526 by changing the saturation by 10% instead.


 18.8675, 0.3420,
0.5526


 18.8675, 0.3420,
0.5526


245.7163, 0.3349,
0.4197


 11.5746, 0.3369,
0.5912


 41.5101, 0.3432,
0.4995

 6.4547, 0.3301,
0.6549


 57.6285, 0.3423,
0.4808


 3.1235, 0.2922,
0.7078

 77.4576, 0.3411,
0.4657

 1.1965, 0.1278,
0.8722

 101.3817, 0.3398,
0.4533

 0.0589, 0.0000,
1.0000

 129.7853, 0.3385,
0.4428

 0.0000, 0.0000,
0.0000

 163.0526, 0.3372,

0.4339

■ 201.5682, 0.3360,
0.4263

■ 18.8675, 0.3420,
0.5526

■ 18.8675, 0.3420,
0.5526

■ 18.5703, 0.3380,
0.5665

■ 19.2208, 0.3442,
0.5339

■ 18.4788, 0.3367,
0.5709

■ 19.6345, 0.3444,
0.5106

■ 20.1136, 0.3427,
0.4840

■ 20.6619, 0.3393,
0.4555

■ 21.2827, 0.3347,
0.4263

■ 21.9792, 0.3292,
0.3977

■ 22.7542, 0.3232,
0.3704

■ 23.6105, 0.3169,
0.3449

■ 24.5507, 0.3106,
0.3214

Harmonies

Analogous

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



18.8675, 0.4428, 0.5063



18.8675, 0.3420, 0.5526



18.8675, 0.2393, 0.4982

Triad

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



18.8675, 0.3420, 0.5526



18.8675, 0.1328, 0.1830



18.8675, 0.4781, 0.2775

Complementary

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



18.8675, 0.3420, 0.5526



3.8005, 0.2222, 0.1093

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.



18.8675, 0.3595, 0.2170



18.8675, 0.3420, 0.5526



18.8675, 0.1698, 0.1648

Square

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



18.8675, 0.3420, 0.5526



18.8675, 0.1293, 0.2432



18.8675, 0.2454, 0.1774



18.8675, 0.5390, 0.3485

Rectangle

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



18.8675, 0.3420, 0.5526



18.8675, 0.1837, 0.4082



18.8675, 0.2454, 0.1774



18.8675, 0.4419, 0.2557

Sweetspot

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



18.8683, 0.3420, 0.5526



39.3723, 0.3292, 0.3975



10.4328, 0.5074, 0.4162



9.0283, 0.3309, 0.4060



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.



18.8683, 0.3420, 0.5526



32.9986, 0.3352, 0.5721



17.4997, 0.3008, 0.5834



5.3079, 0.3185, 0.3510



17.0484, 0.3369, 0.5707



0.0634, 0.3709, 0.5437

Inverse Universe

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



3.8005, 0.2222, 0.1093



5.3153, 0.2051, 0.0904



7.3328, 0.3206, 0.1612



4.6532, 0.3066, 0.3071



2.7942, 0.2076, 0.0917



0.0140, 0.2556, 0.1181

Previews

White Background



This preview shows how the Yxy color 18.8675, 0.3420, 0.5526 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 18.8675, 0.3420, 0.5526 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 18.8675, 0.3420, 0.5526

Background



This preview shows how black text looks on a background with the Yxy color 18.8675, 0.3420, 0.5526.



This preview shows how white text looks on a background with the Yxy color 18.8675, 0.3420, 0.5526.

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

18.8675, 0.3420, 0.5526

Protanopia

18.6129, 0.4361, 0.4837

Deuteranopia

18.6229, 0.4549, 0.4493



Tritanopia

18.9234, 0.2649, 0.3090

Trichromacy



Original Color

18.8675, 0.3420, 0.5526

Protanomaly

18.2124, 0.3990, 0.5107

Deuteranomaly

18.2092, 0.4111, 0.4885

Tritanomaly

18.4221, 0.3003, 0.4077

Monochromacy



Original Color

18.8675, 0.3420, 0.5526

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.0697, 0.3337, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8675, 0.3420, 0.5526 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(75, 135, 18)` looks like.

```
.text, #text, p{  
    color:rgb(75, 135, 18)  
}
```

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(75, 135, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 135, 18) }
```

Border

The CSS property to change the border of an element to Yxy 18.8675, 0.3420, 0.5526 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(75, 135, 18) }
```

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

```
.border{ border-color:rgb(75, 135, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 135, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 135, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 135, 18);  
box-shadow:4px 4px 4px 4px rgb(75, 135,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8675, 0.3420, 0.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 135, 18) }
```

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

```
.background{ background-color: rgb(75, 135,  
18) }
```

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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