

Converting Colors

$Y_{xy}(19.3755, 0.3431, 0.5537)$

Have a look what the booklet for
Yxy(19.3755, 0.3431, 0.5537)
contains.

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Color

Yxy(19.4652, 0.3425, 0.5546)

Conversions

Conversions Part 1

Format	Color
Hex	4C8910
RGB	76, 137, 16
RGB Percent	30%, 54%, 6%
CMY	0.7019, 0.4627, 0.9375
CMYK	0.45, 0.00, 0.88, 0.46
HSL	90°, 79%, 30%
HSV	90°, 88%, 54%
XYZ	12.0210, 19.4652, 3.6116
YIQ	104.9670, 2.4850, -50.5630

Conversions

Conversions Part 2

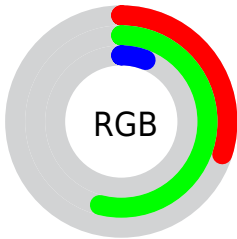
Format	Color
RYB	16, 137, 77
Decimal	5015824
CIELab	51.23, -38.79, 51.65
CIELCh	51, 64.595, 126.910
Yxy	19.4652, 0.3425, 0.5546
Android (android.graphics.Color)	4283205904 (0xFF4C8910)
YUV	104.9670, -43.8607, -25.4041
Hunter-Lab	44.1194, -28.5740, 26.0302

Details

The Yxy color **19.4652, 0.3425, 0.5546** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.7497, 0.2185, 0.1057**, and the grayscale version is **14.2384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5813, 0.3440, 0.5012**, and **6.7747, 0.3107, 0.5915** is the 20% darker color. If you saturate the color by 10%, you get **19.1659, 0.3384, 0.5679**, and if you desaturate by 10%, it is **19.8188, 0.3450, 0.5369**.

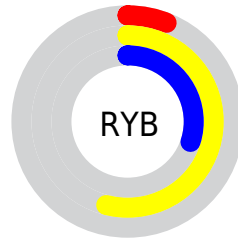
Distribution



Red (30%)

Green (54%)

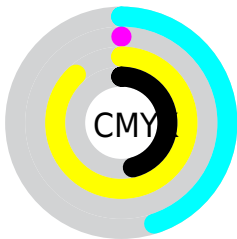
Blue (6%)



Red (6%)

Yellow (54%)

Blue (30%)

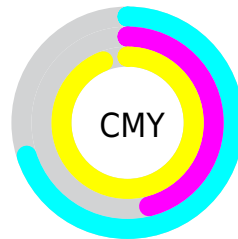


Cyan (45%)

Magenta (0%)

Yellow (88%)

Black (46%)



Cyan (70%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4652, 0.3425, 0.5546 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 19.4652, 0.3425, 0.5546 by changing the saturation by 10% instead.

■ 19.4652, 0.3425,
0.5546

■ 19.4652, 0.3425,
0.5546

■ 249.0050, 0.3355,
0.4212

■ 12.0069, 0.3373,
0.5929

■ 42.5187, 0.3439,
0.5016

■ 6.7484, 0.3301,
0.6550

■ 58.8827, 0.3430,
0.4829

■ 3.3052, 0.2930,
0.7070

■ 78.9841, 0.3417,
0.4677

■ 1.2931, 0.1534,
0.8466

■ 103.2072, 0.3404,
0.4551


■ 0.1358, 0.0000,
1.0000


■ 131.9364, 0.3391,
0.4446


■ 0.0000, 0.0000,
0.0000


■ 165.5562, 0.3378,


0.4356


 204.4510, 0.3366,
0.4279


 19.4652, 0.3425,
0.5546


 19.4652, 0.3425,
0.5546


 19.1659, 0.3384,
0.5679


 19.8188, 0.3450,
0.5369

 19.1199, 0.3378,
0.5700

 20.2332, 0.3455,
0.5145

 20.7136, 0.3440,
0.4885

 21.2638, 0.3407,
0.4603

 21.8874, 0.3361,
0.4313

■ 22.5877, 0.3306,
0.4025

■ 23.3675, 0.3245,
0.3750

■ 24.2298, 0.3181,
0.3491

■ 25.1771, 0.3117,
0.3252

Harmonies

Analogous

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



19.4652, 0.4440, 0.5068



19.4652, 0.3425, 0.5546



19.4652, 0.2391, 0.5007

Triad

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



19.4652, 0.3425, 0.5546



19.4652, 0.1316, 0.1821



19.4652, 0.4789, 0.2766

Complementary

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



19.4652, 0.3425, 0.5546



3.7497, 0.2185, 0.1057

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.



19.4652, 0.3590, 0.2158



19.4652, 0.3425, 0.5546



19.4652, 0.1684, 0.1637

Square

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



19.4652, 0.3425, 0.5546



19.4652, 0.1281, 0.2429



19.4652, 0.2442, 0.1762



19.4652, 0.5407, 0.3478

Rectangle

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



19.4652, 0.3425, 0.5546



19.4652, 0.1830, 0.4098



19.4652, 0.2442, 0.1762



19.4652, 0.4423, 0.2547

Sweetspot

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



19.4660, 0.3425, 0.5546



40.5521, 0.3302, 0.4004



10.5901, 0.5116, 0.4159



9.0104, 0.3318, 0.4086



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.



19.4660, 0.3425, 0.5546



34.1438, 0.3363, 0.5712



18.0381, 0.3006, 0.5862



5.7221, 0.3186, 0.3511



17.8174, 0.3380, 0.5699



0.1270, 0.3719, 0.5429

Inverse Universe

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



3.7497, 0.2185, 0.1057



5.4036, 0.2033, 0.0894



7.4935, 0.3206, 0.1600



5.0079, 0.3064, 0.3069



2.8683, 0.2057, 0.0907



0.0278, 0.2541, 0.1174

Previews

White Background



This preview shows how the Yxy color 19.4652, 0.3425, 0.5546 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 19.4652, 0.3425, 0.5546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

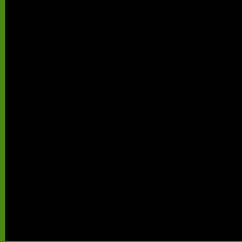
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4652, 0.3425, 0.5546

Background



This preview shows how black text looks on a background with the Yxy color 19.4652, 0.3425, 0.5546.



This preview shows how white text looks on a background with the Yxy color 19.4652, 0.3425, 0.5546.

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

19.4652, 0.3425, 0.5546

Protanopia

19.2593, 0.4368, 0.4854

Deuteranopia

19.1327, 0.4580, 0.4490



Tritanopia

19.3409, 0.2652, 0.3073

Trichromacy



Original Color

19.4652, 0.3425, 0.5546

Protanomaly

18.8501, 0.4003, 0.5124

Deuteranomaly

18.6005, 0.4131, 0.4886

Tritanomaly

19.0670, 0.3015, 0.4086

Monochromacy



Original Color

19.4652, 0.3425, 0.5546

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.5833, 0.3343, 0.4277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4652, 0.3425, 0.5546 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(76, 137, 16)` looks like.

```
.text, #text, p{  
    color:rgb(76, 137, 16)  
}
```

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(76, 137, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 137, 16) }
```

Border

The CSS property to change the border of an element to Yxy 19.4652, 0.3425, 0.5546 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(76, 137, 16) }
```

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

```
.border{ border-color:rgb(76, 137, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 137, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 137, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 137, 16);  
box-shadow:4px 4px 4px 4px rgb(76, 137,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4652, 0.3425, 0.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 137, 16) }
```

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

```
.background{ background-color: rgb(76, 137,  
16) }
```

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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