

Converting Colors

$Y_{xy}(19.3198, 0.3172, 0.4557)$

Have a look what the booklet for
Yxy(19.3198, 0.3172, 0.4557)
contains.

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Color

Yxy(19.2144, 0.3170, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	55854B
RGB	85, 133, 75
RGB Percent	33%, 52%, 29%
CMY	0.6668, 0.4784, 0.7059
CMYK	0.36, 0.00, 0.44, 0.48
HSL	110°, 28%, 41%
HSV	110°, 44%, 52%
XYZ	13.4015, 19.2144, 9.6600
YIQ	112.0360, -9.9900, -28.2140

Conversions

Conversions Part 2

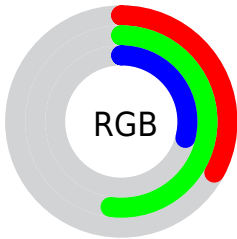
Format	Color
R_{YB}	75, 133, 123
Decimal	5604683
CIE Lab	50.94, -28.28, 26.21
CIE LCh	51, 38.558, 137.180
Yxy	19.2144, 0.3170, 0.4545
Android (android.graphics.Color)	4283794763 (0xFF55854B)
YUV	112.0360, -18.2587, -23.7106
Hunter-Lab	43.8342, -22.1370, 17.6178

Details

The Yxy color **19.2144, 0.3170, 0.4545** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.9418, 0.3022, 0.2215**, and the grayscale version is **16.2693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9168, 0.3179, 0.4220**, and **6.6325, 0.3114, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **18.5758, 0.3167, 0.4874**, and if you desaturate by 10%, it is **19.9730, 0.3167, 0.4221**.

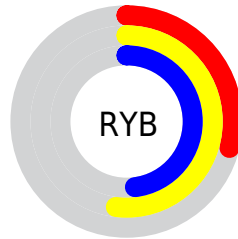
Distribution



Red (33%)

Green (52%)

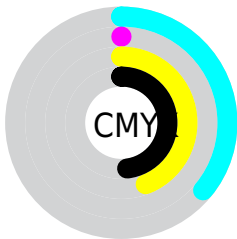
Blue (29%)



Red (29%)

Yellow (52%)

Blue (48%)

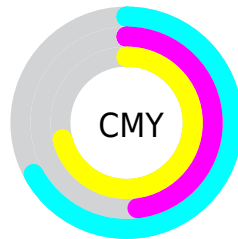


Cyan (36%)

Magenta (0%)

Yellow (44%)

Black (48%)



Cyan (67%)


Magenta (48%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2144, 0.3170, 0.4545 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 19.2144, 0.3170, 0.4545 by changing the saturation by 10% instead.


 19.2144, 0.3170,
0.4545

 19.2144, 0.3170,
0.4545


247.6298, 0.3169,
0.3790


 11.8253, 0.3154,
0.4791


 42.0961, 0.3179,
0.4232


 6.6248, 0.3116,
0.5150


 58.3574, 0.3179,
0.4127

 3.2286, 0.3033,
0.5738

 78.3450, 0.3178,
0.4043

 1.2522, 0.2688,
0.7312

 102.4432, 0.3176,
0.3974

 0.1037, 0.0000,
1.0000

 131.0364, 0.3175,
0.3917

 0.0000, 0.0000,
0.0000

164.5089, 0.3173,

0.3868

203.2453, 0.3171,
0.3826

■ 19.2144, 0.3170,
0.4545

■ 19.2144, 0.3170,
0.4545

■ 18.5758, 0.3167,
0.4874

■ 19.9730, 0.3167,
0.4221

■ 18.0487, 0.3157,
0.5191

■ 20.8549, 0.3158,
0.3913

■ 17.6272, 0.3138,
0.5474


■ 21.8660, 0.3146,
0.3630


■ 17.3039, 0.3112,
0.5704

■ 23.0115, 0.3133,
0.3375

■ 17.0703, 0.3081,
0.5865


■ 24.2960, 0.3117,
0.3148

 16.9577, 0.3065,
0.5948

 25.7239, 0.3102,
0.2948

 27.2996, 0.3086,
0.2773

 29.0272, 0.3071,
0.2620

 30.9106, 0.3056,
0.2486

Harmonies

Analogous

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



19.2144, 0.3853, 0.4575



19.2144, 0.3170, 0.4545



19.2144, 0.2512, 0.4017

Triad

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



19.2144, 0.3170, 0.4545



19.2144, 0.1971, 0.2270



19.2144, 0.4313, 0.3164

Complementary

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



19.2144, 0.3170, 0.4545



10.9418, 0.3022, 0.2215

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.



19.2144, 0.3688, 0.2687



19.2144, 0.3170, 0.4545



19.2144, 0.2337, 0.2190

Square

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



19.2144, 0.3170, 0.4545



19.2144, 0.1872, 0.2621



19.2144, 0.2947, 0.2342



19.2144, 0.4566, 0.3701

Rectangle

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



19.2144, 0.3170, 0.4545



19.2144, 0.2176, 0.3507



19.2144, 0.2947, 0.2342



19.2144, 0.4136, 0.2995

Sweetspot

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



19.2152, 0.3170, 0.4545



39.2121, 0.3146, 0.3622



19.5069, 0.3825, 0.4156



8.7510, 0.3149, 0.3674



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.



19.2152, 0.3170, 0.4545



33.3051, 0.3167, 0.4860



19.0707, 0.2902, 0.4166



5.2404, 0.3140, 0.3512



16.1528, 0.3066, 0.5947



0.0582, 0.3289, 0.5771

Inverse Universe

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



10.9418, 0.3022, 0.2215



16.5161, 0.2988, 0.1992



11.2500, 0.3470, 0.2557



4.7235, 0.3112, 0.3074



4.7842, 0.2791, 0.1311



0.0192, 0.3006, 0.1430

Previews

White Background



This preview shows how the Yxy color 19.2144, 0.3170, 0.4545 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 19.2144, 0.3170, 0.4545 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 19.2144, 0.3170, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 19.2144, 0.3170, 0.4545.



This preview shows how white text looks on a background with the Yxy color 19.2144, 0.3170, 0.4545.

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

19.2144, 0.3170, 0.4545

Protanopia

19.0225, 0.3877, 0.4225

Deuteranopia

18.8457, 0.3997, 0.3919



Tritanopia

19.1861, 0.2697, 0.3093

Trichromacy



Original Color

19.2144, 0.3170, 0.4545

Protanomaly

18.7799, 0.3598, 0.4338

Deuteranomaly

18.6801, 0.3657, 0.4139

Tritanomaly

19.1907, 0.2870, 0.3600

Monochromacy



Original Color

19.2144, 0.3170, 0.4545

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1586, 0.3144, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2144, 0.3170, 0.4545 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(85, 133, 75)` looks like.

```
.text, #text, p{  
    color:rgb(85, 133, 75)  
}
```

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(85, 133, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 133, 75) }
```

Border

The CSS property to change the border of an element to Yxy 19.2144, 0.3170, 0.4545 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(85, 133, 75) }
```

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

```
.border{ border-color:rgb(85, 133, 75) }
```

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

Here you see how a box with a 4 pixel rgb(85, 133, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 133, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 133, 75);  
box-shadow:4px 4px 4px 4px rgb(85, 133,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2144, 0.3170, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 133, 75) }
```

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

```
.background{ background-color: rgb(85, 133,  
75) }
```

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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