

Converting Colors

$Y_{xy}(18.8742, 0.3182, 0.4632)$

Have a look what the booklet for
Yxy(18.8742, 0.3182, 0.4632)
contains.

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Color

Yxy(18.7965, 0.3186, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	538447
RGB	83, 132, 71
RGB Percent	33%, 52%, 28%
CMY	0.6746, 0.4823, 0.7215
CMYK	0.37, 0.00, 0.46, 0.48
HSL	108°, 30%, 40%
HSV	108°, 46%, 52%
XYZ	12.9539, 18.7965, 8.9083
YIQ	110.3950, -9.6230, -29.3590

Conversions

Conversions Part 2

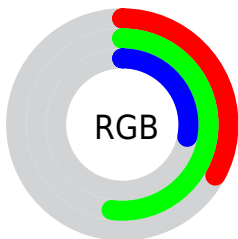
Format	Color
R_{YB}	71, 132, 120
Decimal	5473351
CIE _{Lab}	50.45, -29.10, 27.74
CIE _{LCh}	50, 40.208, 136.374
Yxy	18.7965, 0.3186, 0.4623
Android (android.graphics.Color)	4283663431 (0xFF538447)
YUV	110.3950, -19.4217, -24.0254
Hunter-Lab	43.3549, -22.5378, 18.1659

Details

The Yxy color **18.7965, 0.3186, 0.4623** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.1712, 0.2990, 0.2146**, and the grayscale version is **15.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2049, 0.3200, 0.4290**, and **6.4281, 0.3129, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **18.1996, 0.3184, 0.4948**, and if you desaturate by 10%, it is **19.5057, 0.3181, 0.4299**.

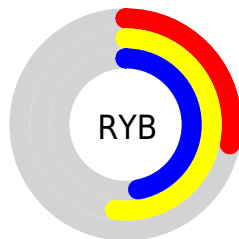
Distribution



Red (33%)

Green (52%)

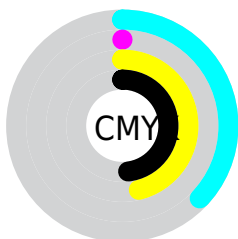
Blue (28%)



Red (28%)

Yellow (52%)

Blue (47%)

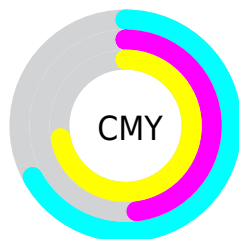


Cyan (37%)

Magenta (0%)

Yellow (46%)

Black (48%)



Cyan (67%)


Magenta (48%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7965, 0.3186, 0.4623 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 18.7965, 0.3186, 0.4623 by changing the saturation by 10% instead.


 18.7965, 0.3186,
0.4623


 18.7965, 0.3186,
0.4623


245.3230, 0.3179,
0.3818


 11.5233, 0.3169,
0.4886


 41.3899, 0.3194,
0.4289


 6.4200, 0.3127,
0.5271


 57.4790, 0.3193,
0.4177

 3.1021, 0.3054,
0.5940

 77.2755, 0.3191,
0.4087

 1.1853, 0.2470,
0.7530

 101.1638, 0.3189,
0.4014

 0.0496, 0.0000,
1.0000

 129.5283, 0.3187,
0.3953

 0.0000, 0.0000,
0.0000

162.7534, 0.3184,

0.3901

201.2235, 0.3182,
0.3857

■ 18.7965, 0.3186,
0.4623

■ 18.7965, 0.3186,
0.4623

■ 18.1996, 0.3184,
0.4948

■ 19.5057, 0.3181,
0.4299

■ 17.7069, 0.3172,
0.5255

■ 20.3302, 0.3170,
0.3988

■ 17.3129, 0.3152,
0.5525

■ 21.2758, 0.3156,
0.3700


■ 17.0106, 0.3123,
0.5738

■ 22.3471, 0.3139,
0.3438

■ 16.7902, 0.3090,
0.5887

■ 23.5486, 0.3120,
0.3204

 16.7227, 0.3080,
0.5937

 24.8844, 0.3101,
0.2997

 26.3587, 0.3082,
0.2815

 27.9752, 0.3064,
0.2656

 29.7377, 0.3046,
0.2516

Harmonies

Analogous

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



18.7965, 0.3899, 0.4630



18.7965, 0.3186, 0.4623



18.7965, 0.2496, 0.4077

Triad

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



18.7965, 0.3186, 0.4623



18.7965, 0.1916, 0.2229



18.7965, 0.4360, 0.3140

Complementary

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



18.7965, 0.3186, 0.4623



10.1712, 0.2990, 0.2146

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.



18.7965, 0.3694, 0.2648



18.7965, 0.3186, 0.4623



18.7965, 0.2287, 0.2142

Square

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



18.7965, 0.3186, 0.4623



18.7965, 0.1820, 0.2599



18.7965, 0.2916, 0.2295



18.7965, 0.4635, 0.3695

Rectangle

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



18.7965, 0.3186, 0.4623



18.7965, 0.2142, 0.3538



18.7965, 0.2916, 0.2295



18.7965, 0.4170, 0.2965

Sweetspot

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



18.7973, 0.3186, 0.4623



37.8122, 0.3153, 0.3649



18.7484, 0.3875, 0.4188



8.7251, 0.3156, 0.3700



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.



18.7973, 0.3186, 0.4623



32.0522, 0.3184, 0.4948



18.5714, 0.2900, 0.4252



5.2455, 0.3144, 0.3512



16.1915, 0.3080, 0.5936



0.0586, 0.3326, 0.5741

Inverse Universe

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



10.1712, 0.2990, 0.2146



14.9434, 0.2947, 0.1914



10.6225, 0.3479, 0.2498



4.7180, 0.3108, 0.3074



4.5900, 0.2732, 0.1278



0.0188, 0.2975, 0.1413

Previews

White Background



This preview shows how the Yxy color 18.7965, 0.3186, 0.4623 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 18.7965, 0.3186, 0.4623 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 18.7965, 0.3186, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 18.7965, 0.3186, 0.4623.



This preview shows how white text looks on a background with the Yxy color 18.7965, 0.3186, 0.4623.

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

18.7965, 0.3186, 0.4623

Protanopia

18.6635, 0.3905, 0.4264

Deuteranopia

18.4719, 0.4041, 0.3973



Tritanopia

18.7962, 0.2684, 0.3091

Trichromacy



Original Color

18.7965, 0.3186, 0.4623

Protanomaly

18.4101, 0.3632, 0.4402

Deuteranomaly

18.3067, 0.3695, 0.4202

Tritanomaly

18.7819, 0.2868, 0.3625

Monochromacy



Original Color

18.7965, 0.3186, 0.4623

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.5107, 0.3155, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7965, 0.3186, 0.4623 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(83, 132, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 71)  
}
```

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(83, 132, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 71) }
```

Border

The CSS property to change the border of an element to Yxy 18.7965, 0.3186, 0.4623 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(83, 132, 71) }
```

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

```
.border{ border-color:rgb(83, 132, 71) }
```

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

Here you see how a box with a 4 pixel rgb(83, 132, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7965, 0.3186, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 71) }
```

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

```
.background{ background-color: rgb(83, 132,  
71) }
```

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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