

Converting Colors

$Y_{xy}(18.3778, 0.3225, 0.4598)$

Have a look what the booklet for
Yxy(18.3778, 0.3225, 0.4598)
contains.

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Color

Yxy(18.3388, 0.3222, 0.4604)

Conversions

Conversions Part 1

Format	Color
Hex	558246
RGB	85, 130, 70
RGB Percent	33%, 51%, 27%
CMY	0.6667, 0.4902, 0.7254
CMYK	0.35, 0.00, 0.46, 0.49
HSL	105°, 30%, 39%
HSV	105°, 46%, 51%
XYZ	12.8340, 18.3388, 8.6595
YIQ	109.7050, -7.5600, -28.2000

Conversions

Conversions Part 2

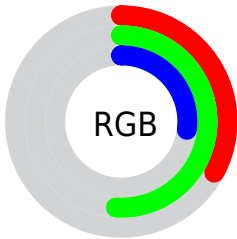
Format	Color
RYB	70, 130, 115
Decimal	5603910
CIELab	49.90, -27.56, 27.62
CIELCh	50, 39.016, 134.935
Yxy	18.3388, 0.3222, 0.4604
Android (android.graphics.Color)	4283793990 (0xFF558246)
YUV	109.7050, -19.5746, -21.6663
Hunter-Lab	42.8238, -21.4466, 17.9875




Details

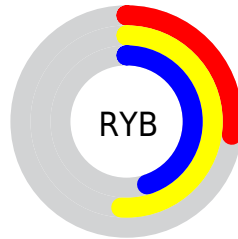
The Yxy color **18.3388, 0.3222, 0.4604** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.6405, 0.2940, 0.2132**, and the grayscale version is **15.5627, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.5172, 0.3227, 0.4276**, and **6.1606, 0.3173, 0.5246** is the 20% darker color. If you saturate the color by 10%, you get **17.7673, 0.3225, 0.4922**, and if you desaturate by 10%, it is **19.0104, 0.3210, 0.4286**.

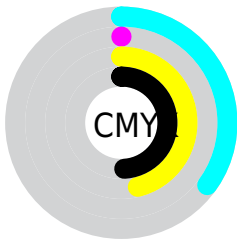
Distribution







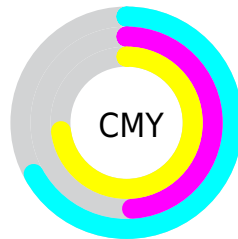
-  Red (33%)
-  Green (51%)
-  Blue (27%)






-  Red (27%)
-  Yellow (51%)
-  Blue (45%)



-  Cyan (35%)
-  Magenta (0%)
-  Yellow (46%)
-  Black (49%)




-  Cyan (67%)
-  Magenta (49%)
-  Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3388, 0.3222, 0.4604 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 18.3388, 0.3222, 0.4604 by changing the saturation by 10% instead.


 18.3388, 0.3222,
0.4604


 18.3388, 0.3222,
0.4604


242.7738, 0.3194,
0.3810


 11.1935, 0.3212,
0.4865


 40.6138, 0.3221,
0.4274


 6.1971, 0.3179,
0.5245

 56.5123, 0.3217,
0.4163

 2.9653, 0.3131,
0.5932

 76.0973, 0.3213,
0.4075

 1.1137, 0.2491,
0.7509

 99.7532, 0.3209,
0.4002

 0.0000, 0.0000,
0.0000

 127.8644, 0.3205,
0.3942

160.8153, 0.3201,

0.3891

198.9903, 0.3197,
0.3848

■ 18.3388, 0.3222,
0.4604

■ 18.3388, 0.3222,
0.4604

■ 17.7673, 0.3225,
0.4922

■ 19.0104, 0.3210,
0.4286

■ 17.2886, 0.3218,
0.5223

■ 19.7842, 0.3192,
0.3981

■ 16.8983, 0.3198,
0.5489


■ 20.6654, 0.3169,
0.3696

■ 16.5903, 0.3168,
0.5702


■ 21.6577, 0.3143,
0.3437

■ 16.3564, 0.3130,
0.5854


■ 22.7651, 0.3117,
0.3203

 16.2808, 0.3118,
0.5907

 23.9912, 0.3090,
0.2996

 25.3393, 0.3064,
0.2812

 26.8128, 0.3038,
0.2651

 28.4148, 0.3014,
0.2509

Harmonies

Analogous

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



18.3388, 0.3917, 0.4591



18.3388, 0.3222, 0.4604



18.3388, 0.2539, 0.4094

Triad

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



18.3388, 0.3222, 0.4604



18.3388, 0.1927, 0.2261



18.3388, 0.4309, 0.3119

Complementary

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



18.3388, 0.3222, 0.4604



9.6405, 0.2940, 0.2132

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.



18.3388, 0.3646, 0.2640



18.3388, 0.3222, 0.4604



18.3388, 0.2280, 0.2161

Square

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



18.3388, 0.3222, 0.4604



18.3388, 0.1846, 0.2640



18.3388, 0.2887, 0.2301



18.3388, 0.4601, 0.3665

Rectangle

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



18.3388, 0.3222, 0.4604



18.3388, 0.2183, 0.3572



18.3388, 0.2887, 0.2301



18.3388, 0.4117, 0.2948

Sweetspot

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



18.3396, 0.3222, 0.4604



36.6954, 0.3164, 0.3647



17.4515, 0.3897, 0.4136



8.2370, 0.3169, 0.3696



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.3396, 0.3222, 0.4604



31.2781, 0.3225, 0.4925



17.9251, 0.2928, 0.4320



4.8666, 0.3151, 0.3510



15.6126, 0.3119, 0.5906



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6405, 0.2940, 0.2132



14.0081, 0.2882, 0.1889



10.3661, 0.3425, 0.2450



4.3601, 0.3101, 0.3075



4.0144, 0.2603, 0.1208



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3388, 0.3222, 0.4604 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3388, 0.3222, 0.4604 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 18.3388, 0.3222, 0.4604

Background



This preview shows how black text looks on a background with the Yxy color 18.3388, 0.3222, 0.4604.



This preview shows how white text looks on a background with the Yxy color 18.3388, 0.3222, 0.4604.

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

18.3388, 0.3222, 0.4604

Protanopia

18.0960, 0.3919, 0.4255

Deuteranopia

18.1443, 0.4048, 0.3977



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



Original Color

18.3388, 0.3222, 0.4604

Protanomaly

17.9017, 0.3656, 0.4388

Deuteranomaly

17.8123, 0.3720, 0.4187

Tritanomaly

18.3228, 0.2907, 0.3626

Monochromacy



Original Color

18.3388, 0.3222, 0.4604

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3155, 0.3181, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3388, 0.3222, 0.4604 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, 130, 70)` looks like.

```
.text, #text, p{  
    color:rgb(85, 130, 70)  
}
```

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, 130, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 130, 70) }
```

Border

The CSS property to change the border of an element to Yxy 18.3388, 0.3222, 0.4604 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, 130, 70) }
```

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

```
.border{ border-color:rgb(85, 130, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 130, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 130, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 130, 70);  
box-shadow:4px 4px 4px 4px rgb(85, 130,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3388, 0.3222, 0.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 130, 70) }
```

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

```
.background{ background-color: rgb(85, 130,  
70) }
```

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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