

Converting Colors

$Y_{xy}(18.8808, 0.3898, 0.5466)$

Have a look what the booklet for
Yxy(18.8808, 0.3898, 0.5466)
contains.

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Color

Yxy(18.8488, 0.3841, 0.5332)

Conversions

Conversions Part 1

Format	Color
Hex	678200
RGB	103, 130, 0
RGB Percent	40%, 51%, 0%
CMY	0.5960, 0.4902, 0.9998
CMYK	0.21, 0.00, 1.00, 0.49
HSL	72°, 100%, 25%
HSV	72°, 100%, 51%
XYZ	13.5781, 18.8488, 2.9235
YIQ	107.1070, 25.6380, -46.1540

Conversions

Conversions Part 2

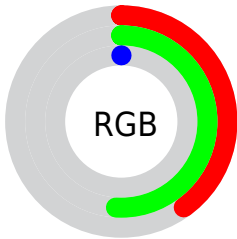
Format	Color
RYB	0, 130, 27
Decimal	6783488
CIELab	50.51, -25.30, 54.78
CIElCh	51, 60.344, 114.790
Yxy	18.8488, 0.3841, 0.5332
Android (android.graphics.Color)	4284973568 (0xFF678200)
YUV	107.1070, -52.8038, -3.6018
Hunter-Lab	43.4152, -20.1509, 26.3982

Details

The Yxy color **18.8488, 0.3841, 0.5332** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.8458, 0.1626, 0.0670**, and the grayscale version is **14.8811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5294, 0.3765, 0.4884**, and **6.5887, 0.3607, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **18.8491, 0.3841, 0.5332**, and if you desaturate by 10%, it is **19.0409, 0.3844, 0.5241**.

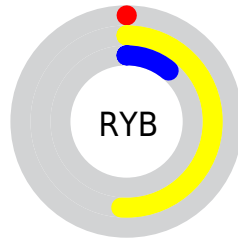
Distribution



Red (40%)

Green (51%)

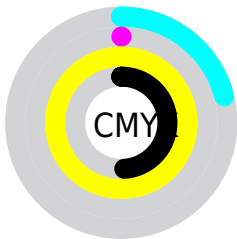
Blue (0%)



Red (0%)

Yellow (51%)

Blue (11%)

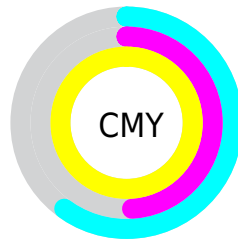


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (60%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8488, 0.3841, 0.5332 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 18.8488, 0.3841, 0.5332 by changing the saturation by 10% instead.


 18.8488, 0.3841,
0.5332


 18.8488, 0.3841,
0.5332


245.6128, 0.3533,
0.4169

 11.5611, 0.3853,
0.5633


 41.4785, 0.3763,
0.4889

 6.4456, 0.3880,
0.6120


 57.5892, 0.3721,
0.4726


 3.1179, 0.3597,
0.6403

 77.4097, 0.3682,
0.4591

 1.1936, 0.2903,
0.7097

 101.3244, 0.3645,
0.4479

 0.0564, 0.0000,
1.0000


 129.7176, 0.3613,
0.4383


 0.0000, 0.0000,
0.0000

 162.9738, 0.3583,


0.4301


 201.4774, 0.3557,
0.4231


 18.8488, 0.3841,
0.5332


 18.8488, 0.3841,
0.5332


 18.8491, 0.3841,
0.5332

 19.0409, 0.3844,
0.5241

 19.2539, 0.3831,
0.5121

 19.4986, 0.3795,
0.4959

 19.7781, 0.3735,
0.4760

 20.0952, 0.3656,
0.4533

■ 20.4524, 0.3562,
0.4286

■ 20.8519, 0.3458,
0.4031

■ 21.2957, 0.3348,
0.3776

■ 21.7858, 0.3237,
0.3527

Harmonies

Analogous

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



18.8488, 0.4738, 0.4709



18.8488, 0.3841, 0.5332



18.8488, 0.2829, 0.5242

Triad

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



18.8488, 0.3841, 0.5332



18.8488, 0.1335, 0.2071



18.8488, 0.4275, 0.2541

Complementary

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



18.8488, 0.3841, 0.5332



1.8458, 0.1626, 0.0670

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.



18.8488, 0.3097, 0.2024



18.8488, 0.3841, 0.5332



18.8488, 0.1560, 0.1739

Square

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



18.8488, 0.3841, 0.5332



18.8488, 0.1444, 0.2871



18.8488, 0.2135, 0.1743



18.8488, 0.5145, 0.3204

Rectangle

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



18.8488, 0.3841, 0.5332



18.8488, 0.2208, 0.4591



18.8488, 0.2135, 0.1743



18.8488, 0.3885, 0.2347

Sweetspot

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



18.8496, 0.3841, 0.5332



36.6704, 0.3465, 0.4049



5.4860, 0.6132, 0.3513



8.2428, 0.3503, 0.4139



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.



18.8496, 0.3841, 0.5332



33.1323, 0.3833, 0.5339



16.3968, 0.3159, 0.5873



4.9758, 0.3227, 0.3505



18.0768, 0.3842, 0.5332



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.8458, 0.1626, 0.0670



3.1946, 0.1610, 0.0660



3.8373, 0.2484, 0.1142



4.2514, 0.3022, 0.3069



1.7712, 0.1627, 0.0670



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8488, 0.3841, 0.5332 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 18.8488, 0.3841, 0.5332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

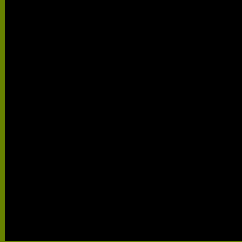
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8488, 0.3841, 0.5332

Background



This preview shows how black text looks on a background with the Yxy color 18.8488, 0.3841, 0.5332.



This preview shows how white text looks on a background with the Yxy color 18.8488, 0.3841, 0.5332.

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

18.8488, 0.3841, 0.5332

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.6758, 0.4615, 0.4552



Tritanopia

18.8639, 0.2944, 0.3118

Trichromacy



Original Color

18.8488, 0.3841, 0.5332

Protanomaly

18.6263, 0.4180, 0.5063

Deuteranomaly

18.5358, 0.4341, 0.4837

Tritanomaly

18.3548, 0.3417, 0.4127

Monochromacy



Original Color

18.8488, 0.3841, 0.5332

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7430, 0.3577, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8488, 0.3841, 0.5332 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(103, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 130, 0)  
}
```

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(103, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.8488, 0.3841, 0.5332 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(103, 130, 0) }
```

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

```
.border{ border-color:rgb(103, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8488, 0.3841, 0.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 130, 0) }
```

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

```
.background{ background-color: rgb(103,  
130, 0) }
```

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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