

Converting Colors

$Y_{xy}(18.2048, 0.3421, 0.4693)$

Have a look what the booklet for
Yxy(18.2048, 0.3421, 0.4693)
contains.

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Color

Yxy(18.2190, 0.3421, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	5F803E
RGB	95, 128, 62
RGB Percent	37%, 50%, 24%
CMY	0.6275, 0.4980, 0.7569
CMYK	0.26, 0.00, 0.52, 0.50
HSL	90°, 35%, 37%
HSV	90°, 52%, 50%
XYZ	13.3064, 18.2190, 7.3708
YIQ	110.6090, 1.5180, -27.5220

Conversions

Conversions Part 2

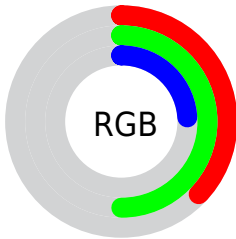
Format	Color
RYB	62, 128, 95
Decimal	6258750
CIELab	49.76, -23.83, 31.87
CIElCh	50, 39.792, 126.784
Yxy	18.2190, 0.3421, 0.4684
Android (android.graphics.Color)	4284448830 (0xFF5F803E)
YUV	110.6090, -23.9642, -13.6891
Hunter-Lab	42.6837, -19.0502, 19.6401

Details

The Yxy color **18.2190, 0.3421, 0.4684** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7.4362, 0.2645, 0.1902**, and the grayscale version is **15.8466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3985, 0.3379, 0.4344**, and **6.2073, 0.3440, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **17.7666, 0.3449, 0.4959**, and if you desaturate by 10%, it is **18.7343, 0.3378, 0.4397**.

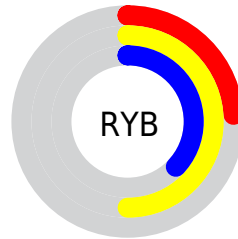
Distribution



Red (37%)

Green (50%)

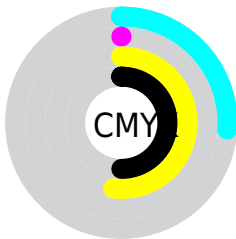
Blue (24%)



Red (24%)

Yellow (50%)

Blue (37%)

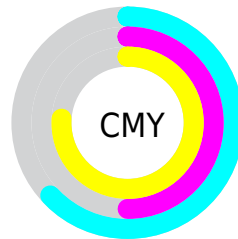


Cyan (26%)

Magenta (0%)

Yellow (52%)

Black (50%)



Cyan (63%)


Magenta (50%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2190, 0.3421, 0.4684 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 18.2190, 0.3421, 0.4684 by changing the saturation by 10% instead.


 18.2190, 0.3421,
0.4684


 18.2190, 0.3421,
0.4684


242.1026, 0.3282,
0.3849

 11.1073, 0.3440,
0.4950


 40.4101, 0.3378,
0.4340


 6.1391, 0.3442,
0.5329

 56.2584, 0.3359,
0.4224

 2.9298, 0.3530,
0.6147

 75.7877, 0.3342,
0.4131

 1.0952, 0.2891,
0.7109

 99.3823, 0.3327,
0.4054

 0.0000, 0.0000,
0.0000

 127.4267, 0.3314,
0.3990

 160.3053, 0.3302,

0.3936

198.4024, 0.3292,
0.3889

■ 18.2190, 0.3421,
0.4684

■ 18.2190, 0.3421,
0.4684

■ 17.7666, 0.3449,
0.4959

■ 18.7343, 0.3378,
0.4397

■ 17.3717, 0.3459,
0.5208

■ 19.3129, 0.3325,
0.4110

■ 17.0316, 0.3450,
0.5418

■ 19.9581, 0.3265,
0.3833

■ 16.7426, 0.3420,
0.5580

■ 20.6725, 0.3202,
0.3570

■ 16.5293, 0.3387,
0.5693

■ 21.4582, 0.3137,
0.3326

■ 22.3175, 0.3074,
0.3104

■ 23.2523, 0.3012,
0.2902

■ 24.2648, 0.2953,
0.2720

■ 25.3568, 0.2898,
0.2557

Harmonies

Analogous

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



18.2190, 0.4100, 0.4535



18.2190, 0.3421, 0.4684



18.2190, 0.2702, 0.4302

Triad

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



18.2190, 0.3421, 0.4684



18.2190, 0.1855, 0.2315



18.2190, 0.4178, 0.2972

Complementary

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



18.2190, 0.3421, 0.4684



7.4362, 0.2645, 0.1902

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.



18.2190, 0.3442, 0.2516



18.2190, 0.3421, 0.4684



18.2190, 0.2139, 0.2142

Square

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



18.2190, 0.3421, 0.4684



18.2190, 0.1849, 0.2782



18.2190, 0.2691, 0.2222



18.2190, 0.4599, 0.3515

Rectangle

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



18.2190, 0.3421, 0.4684



18.2190, 0.2297, 0.3802



18.2190, 0.2691, 0.2222



18.2190, 0.3954, 0.2806

Sweetspot

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



18.2198, 0.3421, 0.4684



35.9042, 0.3226, 0.3667



13.1214, 0.4158, 0.3935



8.3538, 0.3237, 0.3714



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.



18.2198, 0.3421, 0.4684



31.1410, 0.3453, 0.5007



16.8116, 0.3054, 0.4855



4.9161, 0.3186, 0.3508



16.3889, 0.3387, 0.5693



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.4362, 0.2645, 0.1902



9.9010, 0.2497, 0.1582



9.5924, 0.3183, 0.2102



4.3091, 0.3064, 0.3072



2.6279, 0.2054, 0.0905



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2190, 0.3421, 0.4684 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 18.2190, 0.3421, 0.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

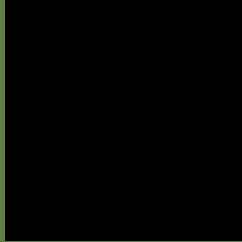
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2190, 0.3421, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 18.2190, 0.3421, 0.4684.



This preview shows how white text looks on a background with the Yxy color 18.2190, 0.3421, 0.4684.

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

18.2190, 0.3421, 0.4684

Protanopia

18.0185, 0.3995, 0.4369

Deuteranopia

18.1329, 0.4160, 0.4102



Tritanopia

18.2897, 0.2841, 0.3113

Trichromacy



Original Color

18.2190, 0.3421, 0.4684

Protanomaly

18.0272, 0.3769, 0.4496

Deuteranomaly

17.7741, 0.3874, 0.4294

Tritanomaly

18.2019, 0.3061, 0.3684

Monochromacy



Original Color

18.2190, 0.3421, 0.4684

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5162, 0.3258, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2190, 0.3421, 0.4684 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(95, 128, 62)` looks like.

```
.text, #text, p{  
    color:rgb(95, 128, 62)  
}
```

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(95, 128, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 128, 62) }
```

Border

The CSS property to change the border of an element to Yxy 18.2190, 0.3421, 0.4684 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(95, 128, 62) }
```

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

```
.border{ border-color:rgb(95, 128, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 128, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 128, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 128, 62);  
box-shadow:4px 4px 4px 4px rgb(95, 128,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2190, 0.3421, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 128, 62) }
```

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

```
.background{ background-color: rgb(95, 128,  
62) }
```

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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