

Converting Colors

$Y_{xy}(18.1184, 0.4074, 0.4855)$

Have a look what the booklet for
Yxy(18.1184, 0.4074, 0.4855)
contains.

Yxy(18.1556, 0.4074, 0.4856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.1556, 0.4074, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	7A7A1F
RGB	122, 122, 31
RGB Percent	48%, 48%, 12%
CMY	0.5216, 0.5215, 0.8783
CMYK	0.00, 0.00, 0.75, 0.52
HSL	60°, 59%, 30%
HSV	60°, 75%, 48%
XYZ	15.2319, 18.1556, 4.0005
YIQ	111.6260, 29.2110, -28.3010

Conversions

Conversions Part 2

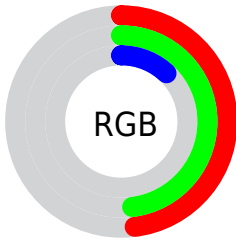
Format	Color
RYB	31, 122, 31
Decimal	8026655
CIELab	49.68, -11.54, 46.76
CIElCh	50, 48.162, 103.858
Yxy	18.1556, 0.4074, 0.4856
Android (android.graphics.Color)	4286216735 (0xFF7A7A1F)
YUV	111.6260, -39.7486, 9.0980
Hunter-Lab	42.6094, -10.7569, 24.2599

Details

The Yxy color **18.1556, 0.4074, 0.4856** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6797, 0.1762, 0.1033**, and the grayscale version is **16.2012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2284, 0.3912, 0.4523**, and **6.1996, 0.4108, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **18.1036, 0.4136, 0.4958**, and if you desaturate by 10%, it is **18.2337, 0.3989, 0.4715**.

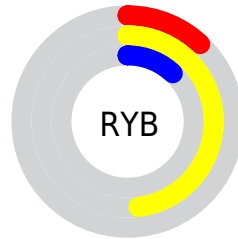
Distribution



Red (48%)

Green (48%)

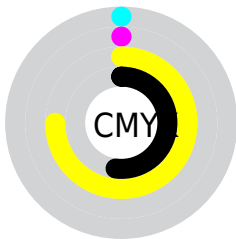
Blue (12%)



Red (12%)

Yellow (48%)

Blue (12%)

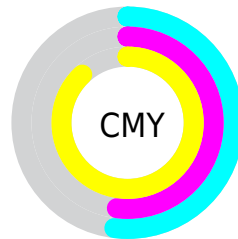


Cyan (0%)

Magenta (0%)

Yellow (75%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1556, 0.4074, 0.4856 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 18.1556, 0.4074, 0.4856 by changing the saturation by 10% instead.


 18.1556, 0.4074,
0.4856


 18.1556, 0.4074,
0.4856


 241.7466, 0.3587,
0.3975


 11.0618, 0.4169,
0.5084


 40.3023, 0.3907,
0.4521


 6.1084, 0.4301,
0.5424

 56.1239, 0.3840,
0.4398


 2.9111, 0.4293,
0.5707

 75.6236, 0.3781,
0.4297

 1.0855, 0.4045,
0.5955

 99.1857, 0.3731,
0.4211

 0.0000, 0.0000,
0.0000

 127.1947, 0.3688,
0.4139

 160.0349, 0.3650,

0.4077

198.0908, 0.3616,
0.4023

18.1556, 0.4074,
0.4856

18.1556, 0.4074,
0.4856

18.1036, 0.4136,
0.4958

18.2337, 0.3989,
0.4715

18.0714, 0.4175,
0.5023

18.3378, 0.3882,
0.4538

18.0568, 0.4193,
0.5053

18.4709, 0.3758,
0.4334

18.6350, 0.3622,
0.4109

18.8318, 0.3479,
0.3872

■ 19.0630, 0.3334,
0.3632

■ 19.3301, 0.3191,
0.3395

■ 19.6345, 0.3053,
0.3167

■ 19.9777, 0.2922,
0.2950

Harmonies

Analogous

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



18.1556, 0.4712, 0.4316



18.1556, 0.4074, 0.4856



18.1556, 0.3237, 0.4962

Triad

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



18.1556, 0.4074, 0.4856



18.1556, 0.1603, 0.2497



18.1556, 0.3724, 0.2488

Complementary

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



18.1556, 0.4074, 0.4856



2.6797, 0.1762, 0.1033

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.



18.1556, 0.2791, 0.2102



18.1556, 0.4074, 0.4856



18.1556, 0.1690, 0.2056

Square

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



18.1556, 0.4074, 0.4856



18.1556, 0.1838, 0.3323



18.1556, 0.2084, 0.1945



18.1556, 0.4567, 0.3037

Rectangle

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



18.1556, 0.4074, 0.4856



18.1556, 0.2674, 0.4624



18.1556, 0.2084, 0.1945



18.1556, 0.3403, 0.2337

Sweetspot

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



18.1564, 0.4074, 0.4856



33.2043, 0.3450, 0.3824



5.2193, 0.5538, 0.3297



7.5740, 0.3480, 0.3874



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.1564, 0.4074, 0.4856



31.8055, 0.4163, 0.5004



15.5780, 0.3459, 0.5267



4.6339, 0.3255, 0.3502



19.0086, 0.4193, 0.5053



90.6724, 0.4193, 0.5053

Inverse Universe

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



2.6797, 0.1762, 0.1033



3.0083, 0.1568, 0.0712



3.9455, 0.2360, 0.1325



3.8936, 0.2994, 0.3069



1.4796, 0.1500, 0.0600



7.0572, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 18.1556, 0.4074, 0.4856 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 18.1556, 0.4074, 0.4856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

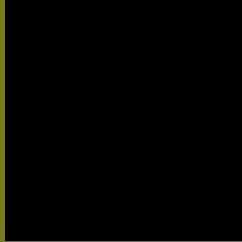
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1556, 0.4074, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 18.1556, 0.4074, 0.4856.



This preview shows how white text looks on a background with the Yxy color 18.1556, 0.4074, 0.4856.

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

18.1556, 0.4074, 0.4856

Protanopia

18.0371, 0.4282, 0.4713

Deuteranopia

18.0056, 0.4530, 0.4455



Tritanopia

18.2105, 0.3226, 0.3125

Trichromacy



Original Color

18.1556, 0.4074, 0.4856

Protanomaly

17.9545, 0.4214, 0.4763

Deuteranomaly

18.0952, 0.4363, 0.4595

Tritanomaly

17.9728, 0.3595, 0.3809

Monochromacy



Original Color

18.1556, 0.4074, 0.4856

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8283, 0.3533, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1556, 0.4074, 0.4856 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(122, 122, 31)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 31)  
}
```

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(122, 122, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 31) }
```

Border

The CSS property to change the border of an element to Yxy 18.1556, 0.4074, 0.4856 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(122, 122, 31) }
```

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

```
.border{ border-color:rgb(122, 122, 31) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 31);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1556, 0.4074, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 31) }
```

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

```
.background{ background-color: rgb(122,  
122, 31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor