

Converting Colors

$Y_{xy}(18.3077, 0.3978, 0.4459)$

Have a look what the booklet for
Yxy(18.3077, 0.3978, 0.4459)
contains.

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Color

Yxy(18.3077, 0.3978, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	807838
RGB	128, 120, 56
RGB Percent	50%, 47%, 22%
CMY	0.4980, 0.5294, 0.7803
CMYK	0.00, 0.06, 0.56, 0.50
HSL	53°, 39%, 36%
HSV	53°, 56%, 50%
XYZ	16.3328, 18.3077, 6.4173
YIQ	115.0960, 25.3120, -18.2080

Conversions

Conversions Part 2

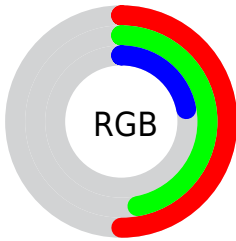
Format	Color
RYB	65, 128, 56
Decimal	8419384
CIELab	49.87, -5.93, 35.73
CIELCh	50, 36.221, 99.426
Yxy	18.3077, 0.3978, 0.4459
Android (android.graphics.Color)	4286609464 (0xFF807838)
YUV	115.0960, -29.1343, 11.3168
Hunter-Lab	42.7875, -6.7412, 21.0588

Details

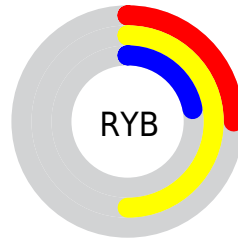
The Yxy color **18.3077, 0.3978, 0.4459** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.0693, 0.2126, 0.1752**, and the grayscale version is **17.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4701, 0.3800, 0.4202**, and **6.1866, 0.4223, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **17.8593, 0.4109, 0.4619**, and if you desaturate by 10%, it is **18.7949, 0.3832, 0.4272**.

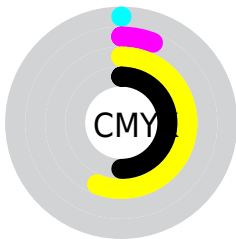
Distribution



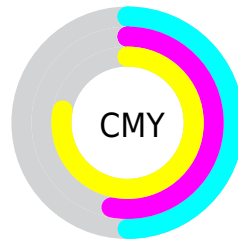
- Red (50%)
- Green (47%)
- Blue (22%)



- Red (25%)
- Yellow (50%)
- Blue (22%)



- Cyan (0%)
- Magenta (6%)
- Yellow (56%)
- Black (50%)





- Cyan (50%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3077, 0.3978, 0.4459 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 18.3077, 0.3978, 0.4459 by changing the saturation by 10% instead.


 18.3077, 0.3978,
0.4459


 18.3077, 0.3978,
0.4459


242.5997, 0.3512,
0.3795


 11.1711, 0.4096,
0.4645


 40.5609, 0.3803,
0.4200

 6.1821, 0.4238,
0.4886

 56.4464, 0.3738,
0.4108

 2.9561, 0.4581,
0.5419

 76.0169, 0.3685,
0.4032

 1.1089, 0.4465,
0.5535

 99.6570, 0.3639,
0.3968

 0.0000, 0.0000,
0.0000

 127.7509, 0.3600,
0.3915

 160.6830, 0.3567,

0.3869

198.8378, 0.3538,
0.3829

■ 18.3077, 0.3978,
0.4459

■ 18.3077, 0.3978,
0.4459

■ 17.8593, 0.4109,
0.4619

■ 18.7949, 0.3832,
0.4272

■ 17.4447, 0.4221,
0.4744

■ 19.3207, 0.3678,
0.4066

■ 17.0617, 0.4309,
0.4829

■ 19.8878, 0.3521,
0.3851

■ 16.7054, 0.4373,
0.4876

■ 20.4983, 0.3366,
0.3633

■ 16.5738, 0.4396,
0.4892

■ 21.1539, 0.3216,
0.3419

■ 21.8562, 0.3075,
0.3214

■ 22.6068, 0.2943,
0.3019

■ 23.4073, 0.2821,
0.2837

■ 24.2589, 0.2710,
0.2668

Harmonies

Analogous

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



18.3077, 0.4407, 0.4065



18.3077, 0.3978, 0.4459



18.3077, 0.3347, 0.4538

Triad

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



18.3077, 0.3978, 0.4459



18.3077, 0.1940, 0.2786



18.3077, 0.3481, 0.2610

Complementary

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



18.3077, 0.3978, 0.4459



6.0693, 0.2126, 0.1752

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.



18.3077, 0.2787, 0.2321



18.3077, 0.3978, 0.4459



18.3077, 0.1966, 0.2374

Square

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



18.3077, 0.3978, 0.4459



18.3077, 0.2187, 0.3444



18.3077, 0.2255, 0.2230



18.3077, 0.4131, 0.3046

Rectangle

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



18.3077, 0.3978, 0.4459



18.3077, 0.2901, 0.4328



18.3077, 0.2255, 0.2230



18.3077, 0.3241, 0.2495

Sweetspot

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



18.3086, 0.3978, 0.4459



35.9620, 0.3384, 0.3659



7.7950, 0.4525, 0.3134



8.3778, 0.3409, 0.3694



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.



18.3086, 0.3978, 0.4459



31.2704, 0.4137, 0.4651



18.4567, 0.3542, 0.4760



4.9404, 0.3259, 0.3480



16.4355, 0.4396, 0.4892



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.0693, 0.2126, 0.1752



7.5663, 0.1901, 0.1379



6.2565, 0.2458, 0.1721



4.2828, 0.2993, 0.3093



1.8639, 0.1530, 0.0709



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3077, 0.3978, 0.4459 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 18.3077, 0.3978, 0.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

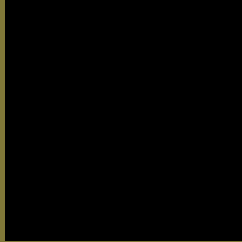
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3077, 0.3978, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 18.3077, 0.3978, 0.4459.



This preview shows how white text looks on a background with the Yxy color 18.3077, 0.3978, 0.4459.

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

18.3077, 0.3978, 0.4459

Protanopia

18.3847, 0.4043, 0.4418

Deuteranopia

18.2267, 0.4278, 0.4210



Tritanopia

18.2837, 0.3293, 0.3128

Trichromacy



Original Color

18.3077, 0.3978, 0.4459

Protanomaly

18.3045, 0.4030, 0.4424

Deuteranomaly

18.2752, 0.4161, 0.4313

Tritanomaly

18.2782, 0.3566, 0.3628

Monochromacy



Original Color

18.3077, 0.3978, 0.4459

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5238, 0.3448, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3077, 0.3978, 0.4459 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(128, 120, 56)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 56)  
}
```

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(128, 120, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 56) }
```

Border

The CSS property to change the border of an element to Yxy 18.3077, 0.3978, 0.4459 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(128, 120, 56) }
```

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

```
.border{ border-color:rgb(128, 120, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 56);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3077, 0.3978, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 56) }
```

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

```
.background{ background-color: rgb(128,  
120, 56) }
```

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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