

Converting Colors

$Y_{xy}(18.7879, 0.3674, 0.4520)$

Have a look what the booklet for
Yxy(18.7879, 0.3674, 0.4520)
contains.

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Color

Yxy(18.8580, 0.3669, 0.4523)

Conversions

Conversions Part 1

Format	Color
Hex	727E3F
RGB	114, 126, 63
RGB Percent	45%, 49%, 25%
CMY	0.5530, 0.5059, 0.7529
CMYK	0.10, 0.00, 0.50, 0.51
HSL	71°, 33%, 37%
HSV	71°, 50%, 49%
XYZ	15.2974, 18.8580, 7.5382
YIQ	115.2300, 13.0710, -22.1370

Conversions

Conversions Part 2

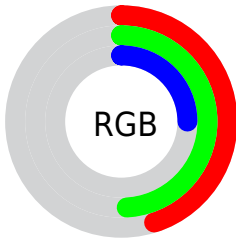
Format	Color
RYB	63, 126, 75
Decimal	7503423
CIELab	50.52, -14.75, 32.57
CIElCh	51, 35.753, 114.368
Yxy	18.8580, 0.3669, 0.4523
Android (android.graphics.Color)	4285693503 (0xFF727E3F)
YUV	115.2300, -25.7494, -1.0787
Hunter-Lab	43.4258, -13.1159, 20.1060

Details

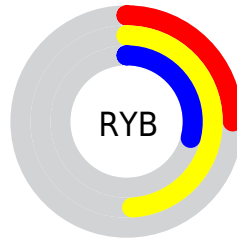
The Yxy color **18.8580, 0.3669, 0.4523** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5598, 0.2375, 0.1844**, and the grayscale version is **17.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6255, 0.3565, 0.4242**, and **6.4352, 0.3806, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **18.5747, 0.3751, 0.4747**, and if you desaturate by 10%, it is **19.1795, 0.3572, 0.4280**.

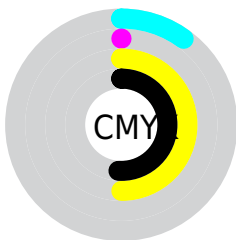
Distribution



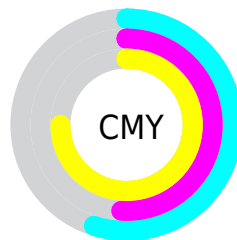
- Red (45%)
- Green (49%)
- Blue (25%)



- Red (25%)
- Yellow (49%)
- Blue (29%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (51%)



- Cyan (55%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8580, 0.3669, 0.4523 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 18.8580, 0.3669, 0.4523 by changing the saturation by 10% instead.

18.8580, 0.3669,
0.4523

18.8580, 0.3669,
0.4523

245.6637, 0.3382,
0.3803

11.5677, 0.3736,
0.4741

41.4940, 0.3565,
0.4233

6.4501, 0.3809,
0.5041

57.6085, 0.3525,
0.4133

3.1206, 0.3996,
0.5648

77.4333, 0.3492,
0.4052

1.1950, 0.3846,
0.6154

101.3526, 0.3463,
0.3985

0.0576, 0.0000,
1.0000

129.7509, 0.3439,
0.3928

0.0000, 0.0000,
0.0000

163.0126, 0.3417,

0.3880

201.5221, 0.3399,
0.3839

■ 18.8580, 0.3669,
0.4523

■ 18.8580, 0.3669,
0.4523

■ 18.5747, 0.3751,
0.4747

■ 19.1795, 0.3572,
0.4280

■ 18.3248, 0.3814,
0.4943

■ 19.5386, 0.3465,
0.4027

■ 18.1066, 0.3854,
0.5102

■ 19.9382, 0.3353,
0.3774

■ 17.9170, 0.3870,
0.5219

■ 20.3800, 0.3239,
0.3526

■ 17.7466, 0.3871,
0.5309


■ 20.8656, 0.3127,
0.3290

 17.7465, 0.3871,
0.5309

 21.3965, 0.3019,
0.3067

 21.9743, 0.2916,
0.2861

 22.6003, 0.2820,
0.2672

 23.2759, 0.2730,
0.2499

Harmonies

Analogous

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



18.8580, 0.4207, 0.4268



18.8580, 0.3669, 0.4523



18.8580, 0.3017, 0.4373

Triad

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



18.8580, 0.3669, 0.4523



18.8580, 0.1943, 0.2563



18.8580, 0.3812, 0.2823

Complementary

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



18.8580, 0.3669, 0.4523



6.5598, 0.2375, 0.1844

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.



18.8580, 0.3123, 0.2459



18.8580, 0.3669, 0.4523



18.8580, 0.2098, 0.2291

Square

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



18.8580, 0.3669, 0.4523



18.8580, 0.2051, 0.3099



18.8580, 0.2506, 0.2268



18.8580, 0.4328, 0.3297

Rectangle

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



18.8580, 0.3669, 0.4523



18.8580, 0.2606, 0.4025



18.8580, 0.2506, 0.2268



18.8580, 0.3588, 0.2686

Sweetspot

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



18.8588, 0.3669, 0.4523



35.4447, 0.3300, 0.3658



9.7680, 0.4326, 0.3524



8.0323, 0.3320, 0.3701



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.8588, 0.3669, 0.4523



32.6278, 0.3761, 0.4777



17.1190, 0.3273, 0.4700



4.9793, 0.3229, 0.3505



18.2033, 0.3870, 0.5309



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5598, 0.2375, 0.1844



8.3467, 0.2167, 0.1484



8.1308, 0.2850, 0.2016



4.2481, 0.3020, 0.3069



1.7433, 0.1612, 0.0662



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8580, 0.3669, 0.4523 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 18.8580, 0.3669, 0.4523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

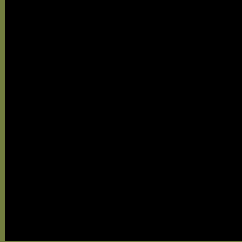
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8580, 0.3669, 0.4523

Background



This preview shows how black text looks on a background with the Yxy color 18.8580, 0.3669, 0.4523.



This preview shows how white text looks on a background with the Yxy color 18.8580, 0.3669, 0.4523.

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

18.8580, 0.3669, 0.4523

Protanopia

18.7564, 0.3997, 0.4350

Deuteranopia

18.6310, 0.4191, 0.4103



Tritanopia

18.8897, 0.3061, 0.3122

Trichromacy



Original Color

18.8580, 0.3669, 0.4523

Protanomaly

18.7025, 0.3872, 0.4407

Deuteranomaly

18.4894, 0.4000, 0.4244

Tritanomaly

18.8405, 0.3298, 0.3641

Monochromacy



Original Color

18.8580, 0.3669, 0.4523

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6830, 0.3349, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8580, 0.3669, 0.4523 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(114, 126, 63)` looks like.

```
.text, #text, p{  
    color:rgb(114, 126, 63)  
}
```

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(114, 126, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 126, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.8580, 0.3669, 0.4523 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(114, 126, 63) }
```

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

```
.border{ border-color:rgb(114, 126, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 126, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 126, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 126, 63);  
box-shadow:4px 4px 4px 4px rgb(114, 126,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8580, 0.3669, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 126, 63) }
```

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

```
.background{ background-color: rgb(114,  
126, 63) }
```

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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