

Converting Colors

$Y_{xy}(17.8655, 0.3979, 0.4740)$

Have a look what the booklet for
Yxy(17.8655, 0.3979, 0.4740)
contains.

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Color

Yxy(17.8350, 0.3981, 0.4733)

Conversions

Conversions Part 1

Format	Color
Hex	78792A
RGB	120, 121, 42
RGB Percent	47%, 47%, 16%
CMY	0.5294, 0.5255, 0.8351
CMYK	0.01, 0.00, 0.65, 0.53
HSL	61°, 48%, 32%
HSV	61°, 65%, 47%
XYZ	15.0013, 17.8350, 4.8459
YIQ	111.6950, 24.7630, -24.7810

Conversions

Conversions Part 2

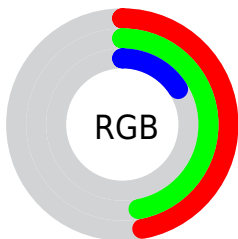
Format	Color
R_{YB}	42, 121, 43
Decimal	7895338
CIE _{Lab}	49.30, -11.24, 41.70
CIE _{LCh}	49, 43.189, 105.080
Yxy	17.8350, 0.3981, 0.4733
Android (android.graphics.Color)	4286085418 (0xFF78792A)
YUV	111.6950, -34.3596, 7.2835
Hunter-Lab	42.2315, -10.4991, 22.7587

Details

The Yxy color **17.8350, 0.3981, 0.4733** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5540, 0.1932, 0.1300**, and the grayscale version is **16.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6585, 0.3816, 0.4408**, and **6.0303, 0.4107, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **17.7508, 0.4063, 0.4874**, and if you desaturate by 10%, it is **17.9471, 0.3878, 0.4557**.

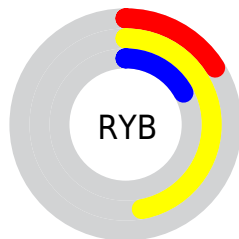
Distribution



Red (47%)

Green (47%)

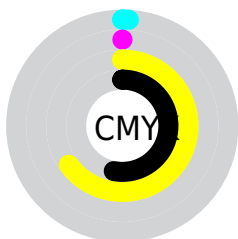
Blue (16%)



Red (16%)

Yellow (47%)

Blue (17%)

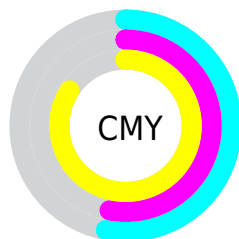


Cyan (1%)

Magenta (0%)

Yellow (65%)

Black (53%)



Cyan (53%)


Magenta (53%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8350, 0.3981, 0.4733 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 17.8350, 0.3981, 0.4733 by changing the saturation by 10% instead.


 17.8350, 0.3981,
0.4733


 17.8350, 0.3981,
0.4733


 239.9394, 0.3531,
0.3908


 10.8316, 0.4078,
0.4960


 39.7560, 0.3821,
0.4412


 5.9537, 0.4190,
0.5266

 55.4423, 0.3758,
0.4297


 2.8169, 0.4302,
0.5698

 74.7918, 0.3705,
0.4203

 1.0369, 0.4043,
0.5957

 98.1887, 0.3660,
0.4124

 0.0000, 0.0000,
0.0000

 126.0176, 0.3621,
0.4058

 158.6627, 0.3587,

0.4001

196.5085, 0.3557,
0.3951

■ 17.8350, 0.3981,
0.4733

■ 17.8350, 0.3981,
0.4733

■ 17.7508, 0.4063,
0.4874

■ 17.9471, 0.3878,
0.4557

■ 17.6895, 0.4121,
0.4977

■ 18.0867, 0.3757,
0.4352

■ 17.6479, 0.4157,
0.5042

■ 18.2565, 0.3624,
0.4126

■ 17.6302, 0.4172,
0.5069

■ 18.4583, 0.3484,
0.3890

■ 18.6938, 0.3341,
0.3649

■ 18.9644, 0.3200,
0.3412

■ 19.2716, 0.3063,
0.3183

■ 19.6166, 0.2933,
0.2965

■ 20.0008, 0.2812,
0.2763

Harmonies

Analogous

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



17.8350, 0.4565, 0.4275



17.8350, 0.3981, 0.4733



17.8350, 0.3213, 0.4773

Triad

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



17.8350, 0.3981, 0.4733



17.8350, 0.1722, 0.2556



17.8350, 0.3706, 0.2575

Complementary

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



17.8350, 0.3981, 0.4733



3.5540, 0.1932, 0.1300

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.



17.8350, 0.2859, 0.2207



17.8350, 0.3981, 0.4733



17.8350, 0.1813, 0.2152

Square

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



17.8350, 0.3981, 0.4733



17.8350, 0.1935, 0.3294



17.8350, 0.2194, 0.2053



17.8350, 0.4450, 0.3093

Rectangle

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



17.8350, 0.3981, 0.4733



17.8350, 0.2697, 0.4449



17.8350, 0.2194, 0.2053



17.8350, 0.3417, 0.2432

Sweetspot

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



17.8358, 0.3981, 0.4733



33.2450, 0.3416, 0.3775



5.8915, 0.5110, 0.3296



7.5803, 0.3448, 0.3829



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.



17.8358, 0.3981, 0.4733



31.7287, 0.4093, 0.4927



15.6155, 0.3455, 0.5045



4.6315, 0.3253, 0.3502



18.8920, 0.4172, 0.5069



90.0864, 0.4171, 0.5070

Inverse Universe

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



3.5540, 0.1932, 0.1300



4.0428, 0.1695, 0.0912



4.8119, 0.2479, 0.1545



3.8958, 0.2995, 0.3069



1.4897, 0.1506, 0.0603



7.0776, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 17.8350, 0.3981, 0.4733 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 17.8350, 0.3981, 0.4733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

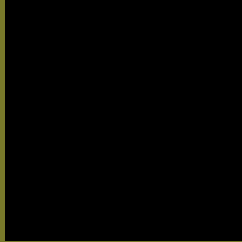
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8350, 0.3981, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 17.8350, 0.3981, 0.4733.



This preview shows how white text looks on a background with the Yxy color 17.8350, 0.3981, 0.4733.

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

17.8350, 0.3981, 0.4733

Protanopia

17.7080, 0.4188, 0.4600

Deuteranopia

17.6693, 0.4434, 0.4349



Tritanopia

17.7274, 0.3200, 0.3122

Trichromacy



Original Color

17.8350, 0.3981, 0.4733

Protanomaly

17.6290, 0.4120, 0.4647

Deuteranomaly

17.7617, 0.4270, 0.4487

Tritanomaly

17.5662, 0.3520, 0.3740

Monochromacy



Original Color

17.8350, 0.3981, 0.4733

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5944, 0.3474, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8350, 0.3981, 0.4733 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(120, 121, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 42)  
}
```

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(120, 121, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 42) }
```

Border

The CSS property to change the border of an element to Yxy 17.8350, 0.3981, 0.4733 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(120, 121, 42) }
```

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

```
.border{ border-color:rgb(120, 121, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8350, 0.3981, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 42) }
```

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

```
.background{ background-color: rgb(120,  
121, 42) }
```

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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