

Converting Colors

$Y_{xy}(17.6814, 0.4228, 0.4945)$

Have a look what the booklet for
Yxy(17.6814, 0.4228, 0.4945)
contains.

Yxy(17.8195, 0.4228, 0.4944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8195, 0.4228, 0.4944)

Conversions

Conversions Part 1

Format	Color
Hex	7D780C
RGB	125, 120, 12
RGB Percent	49%, 47%, 5%
CMY	0.5099, 0.5294, 0.9529
CMYK	0.00, 0.04, 0.90, 0.51
HSL	57°, 82%, 27%
HSV	57°, 90%, 49%
XYZ	15.2388, 17.8195, 2.9843
YIQ	109.1830, 37.6480, -32.5280

Conversions

Conversions Part 2

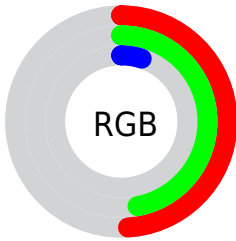
Format	Color
R_{YB}	17, 125, 12
Decimal	8222732
CIE _{Lab}	49.28, -9.74, 52.24
CIE _{LCh}	49, 53.144, 100.556
Yxy	17.8195, 0.4228, 0.4944
Android (android.graphics.Color)	4286412812 (0xFF7D780C)
YUV	109.1830, -47.9112, 13.8715
Hunter-Lab	42.2131, -9.4349, 25.3576

Details

The Yxy color **17.8195, 0.4228, 0.4944** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9592, 0.1585, 0.0766**, and the grayscale version is **15.4788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7710, 0.4045, 0.4608**, and **6.0124, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **17.6668, 0.4269, 0.4992**, and if you desaturate by 10%, it is **17.9947, 0.4169, 0.4869**.

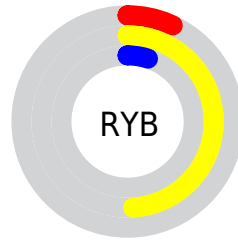
Distribution



Red (49%)

Green (47%)

Blue (5%)



Red (7%)

Yellow (49%)

Blue (5%)

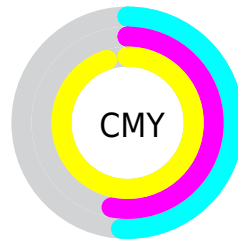


Cyan (0%)

Magenta (4%)

Yellow (90%)

Black (51%)



Cyan (51%)


Magenta (53%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8195, 0.4228, 0.4944 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 17.8195, 0.4228, 0.4944 by changing the saturation by 10% instead.


 17.8195, 0.4228,
0.4944


 17.8195, 0.4228,
0.4944


 239.8517, 0.3672,
0.4037


 10.8205, 0.4325,
0.5157


 39.7295, 0.4044,
0.4611


 5.9462, 0.4491,
0.5509

 55.4093, 0.3967,
0.4485

 2.8124, 0.4380,
0.5620

 74.7515, 0.3899,
0.4379

 1.0346, 0.4165,
0.5835


 98.1404, 0.3841,
0.4289


 0.0000, 0.0000,
0.0000


 125.9605, 0.3790,
0.4212


 158.5961, 0.3746,


0.4145


 196.4317, 0.3707,
0.4087

 17.8195, 0.4228,
0.4944

 17.8195, 0.4228,
0.4944


 17.6668, 0.4269,
0.4992

 17.9947, 0.4169,
0.4869

 18.1939, 0.4087,
0.4754

 18.4207, 0.3981,
0.4601

 18.6777, 0.3857,
0.4416

 18.9670, 0.3719,
0.4208

■ 19.2906, 0.3573,
0.3984

■ 19.6504, 0.3423,
0.3754

■ 20.0480, 0.3276,
0.3523

■ 20.4851, 0.3133,
0.3299

Harmonies

Analogous

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



17.8195, 0.4904, 0.4297



17.8195, 0.4228, 0.4944



17.8195, 0.3326, 0.5185

Triad

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



17.8195, 0.4228, 0.4944



17.8195, 0.1482, 0.2482



17.8195, 0.3664, 0.2358

Complementary

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



17.8195, 0.4228, 0.4944



1.9592, 0.1585, 0.0766

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.



17.8195, 0.2650, 0.1970



17.8195, 0.4228, 0.4944



17.8195, 0.1543, 0.1973

Square

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



17.8195, 0.4228, 0.4944



17.8195, 0.1764, 0.3437



17.8195, 0.1924, 0.1828



17.8195, 0.4640, 0.2929

Rectangle

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



17.8195, 0.4228, 0.4944



17.8195, 0.2708, 0.4884



17.8195, 0.1924, 0.1828



17.8195, 0.3308, 0.2204

Sweetspot

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



17.8203, 0.4228, 0.4944



34.7230, 0.3532, 0.3921



4.6647, 0.6055, 0.3249



7.8599, 0.3572, 0.3984



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.



17.8203, 0.4228, 0.4944



31.5876, 0.4271, 0.4991



16.1519, 0.3491, 0.5510



4.9880, 0.3257, 0.3494



18.4406, 0.4270, 0.4992



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.9592, 0.1585, 0.0766



2.8076, 0.1509, 0.0632



2.7954, 0.2076, 0.0988



4.2398, 0.2993, 0.3077



1.6673, 0.1512, 0.0642



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8195, 0.4228, 0.4944 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 17.8195, 0.4228, 0.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

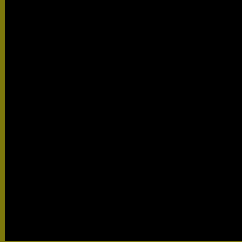
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8195, 0.4228, 0.4944

Background



This preview shows how black text looks on a background with the Yxy color 17.8195, 0.4228, 0.4944.



This preview shows how white text looks on a background with the Yxy color 17.8195, 0.4228, 0.4944.

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

17.8195, 0.4228, 0.4944

Protanopia

17.8866, 0.4355, 0.4852

Deuteranopia

17.7153, 0.4637, 0.4558



Tritanopia

17.9310, 0.3307, 0.3144

Trichromacy



Original Color

17.8195, 0.4228, 0.4944

Protanomaly

17.8849, 0.4300, 0.4895

Deuteranomaly

17.6505, 0.4500, 0.4691

Tritanomaly

17.6014, 0.3762, 0.3936

Monochromacy



Original Color

17.8195, 0.4228, 0.4944

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.9495, 0.3647, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8195, 0.4228, 0.4944 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(125, 120, 12)` looks like.

```
.text, #text, p{  
    color:rgb(125, 120, 12)  
}
```

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(125, 120, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 120, 12) }
```

Border

The CSS property to change the border of an element to Yxy 17.8195, 0.4228, 0.4944 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(125, 120, 12) }
```

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

```
.border{ border-color:rgb(125, 120, 12) }
```

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

Here you see how a box with a 4 pixel rgb(125, 120, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 120, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 120, 12);  
box-shadow:4px 4px 4px 4px rgb(125, 120,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8195, 0.4228, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 120, 12) }
```

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

```
.background{ background-color: rgb(125,  
120, 12) }
```

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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