

Converting Colors

$Y_{xy}(17.3175, 0.4197, 0.5050)$

Have a look what the booklet for
Yxy(17.3175, 0.4197, 0.5050)
contains.

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Color

Yxy(17.4260, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	787800
RGB	120, 120, 0
RGB Percent	47%, 47%, 0%
CMY	0.5295, 0.5294, 1.0000
CMYK	0.00, 0.00, 1.00, 0.53
HSL	60°, 100%, 24%
HSV	60°, 100%, 47%
XYZ	14.4602, 17.4260, 2.6003
YIQ	106.3200, 38.5200, -37.3200

Conversions

Conversions Part 2

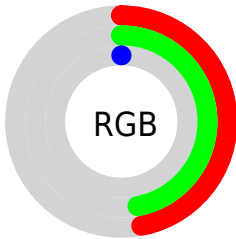
Format	Color
RYB	0, 120, 0
Decimal	7895040
CIELab	48.79, -12.36, 54.12
CIELCh	49, 55.509, 102.863
Yxy	17.4260, 0.4193, 0.5053
Android (android.graphics.Color)	4286085120 (0xFF787800)
YUV	106.3200, -52.4158, 11.9974
Hunter-Lab	41.7445, -11.2209, 25.5279

Details

The Yxy color **17.4260, 0.4193, 0.5053** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.3565, 0.1500, 0.0600**, and the grayscale version is **14.6444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1053, 0.4031, 0.4694**, and **5.8280, 0.4084, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **17.4269, 0.4193, 0.5053**, and if you desaturate by 10%, it is **17.4536, 0.4159, 0.4996**.

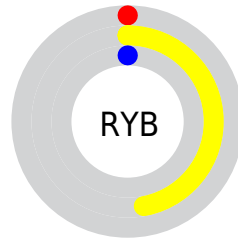
Distribution



Red (47%)

Green (47%)

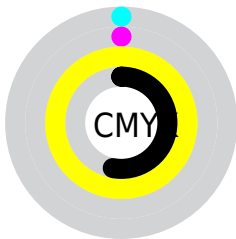
Blue (0%)



Red (0%)

Yellow (47%)

Blue (0%)

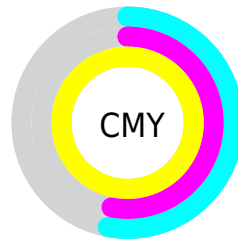


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4260, 0.4193, 0.5053 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 17.4260, 0.4193, 0.5053 by changing the saturation by 10% instead.


 17.4260, 0.4193,
0.5053


 17.4260, 0.4193,
0.5053


237.6155, 0.3667,
0.4081

 10.5387, 0.4272,
0.5281

 39.0568, 0.4026,
0.4696

 5.7576, 0.4380,
0.5620


 54.5690, 0.3953,
0.4561


 2.6982, 0.4234,
0.5766

 73.7250, 0.3889,
0.4447

 0.9763, 0.3897,
0.6103

 96.9092, 0.3833,
0.4350


 0.0000, 0.0000,
0.0000


 124.5060, 0.3783,
0.4268


 156.8997, 0.3740,


0.4197


 194.4747, 0.3702,
0.4135


 17.4260, 0.4193,
0.5053


 17.4260, 0.4193,
0.5053


 17.4269, 0.4193,
0.5053

 17.4536, 0.4159,
0.4996

 17.4932, 0.4110,
0.4915

 17.5549, 0.4037,
0.4795

 17.6411, 0.3941,
0.4636

 17.7542, 0.3826,
0.4446

■ 17.8960, 0.3697,
0.4232

■ 18.0685, 0.3557,
0.4001

■ 18.2731, 0.3413,
0.3762

■ 18.5115, 0.3268,
0.3523

Harmonies

Analogous

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



17.4260, 0.4934, 0.4376



17.4260, 0.4193, 0.5053



17.4260, 0.3245, 0.5278

Triad

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



17.4260, 0.4193, 0.5053



17.4260, 0.1411, 0.2380



17.4260, 0.3775, 0.2357

Complementary

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



17.4260, 0.4193, 0.5053



1.3565, 0.1500, 0.0600

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.



17.4260, 0.2697, 0.1940



17.4260, 0.4193, 0.5053



17.4260, 0.1500, 0.1892

Square

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



17.4260, 0.4193, 0.5053



17.4260, 0.1666, 0.3345



17.4260, 0.1918, 0.1772



17.4260, 0.4780, 0.2956

Rectangle

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



17.4260, 0.4193, 0.5053



17.4260, 0.2606, 0.4917



17.4260, 0.1918, 0.1772



17.4260, 0.3398, 0.2193

Sweetspot

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



17.4269, 0.4193, 0.5053



31.7499, 0.3567, 0.4018



3.9937, 0.6401, 0.3300



7.4987, 0.3616, 0.4098



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.



17.4269, 0.4193, 0.5053



30.6457, 0.4193, 0.5053



14.3959, 0.3391, 0.5689



4.6339, 0.3255, 0.3502



19.0086, 0.4193, 0.5053



90.6725, 0.4193, 0.5053

Inverse Universe

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



1.3565, 0.1500, 0.0600



2.3853, 0.1500, 0.0600



2.3171, 0.2059, 0.0908



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 17.4260, 0.4193, 0.5053 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 17.4260, 0.4193, 0.5053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

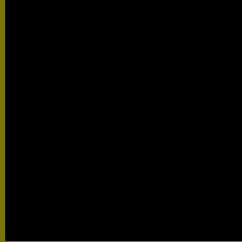
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4260, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 17.4260, 0.4193, 0.5053.



This preview shows how white text looks on a background with the Yxy color 17.4260, 0.4193, 0.5053.

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

17.4260, 0.4193, 0.5053

Protanopia

17.3161, 0.4403, 0.4886

Deuteranopia

17.3065, 0.4636, 0.4574



Tritanopia

17.5336, 0.3240, 0.3141

Trichromacy



Original Color

17.4260, 0.4193, 0.5053

Protanomaly

17.2346, 0.4333, 0.4941

Deuteranomaly

17.3772, 0.4482, 0.4751

Tritanomaly

17.1432, 0.3753, 0.4048

Monochromacy



Original Color

17.4260, 0.4193, 0.5053

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1536, 0.3687, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4260, 0.4193, 0.5053 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, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 0)  
}
```

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, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4260, 0.4193, 0.5053 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, 120, 0) }
```

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

```
.border{ border-color:rgb(120, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4260, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 0) }
```

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

```
.background{ background-color: rgb(120,  
120, 0) }
```

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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