

Converting Colors

$Y_{xy}(17.7801, 0.3771, 0.5388)$

Have a look what the booklet for
Yxy(17.7801, 0.3771, 0.5388)
contains.

Yxy(17.9251, 0.3770, 0.5388)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9251, 0.3770, 0.5388)

Conversions

Conversions Part 1

Format	Color
Hex	608000
RGB	96, 128, 0
RGB Percent	38%, 50%, 0%
CMY	0.6236, 0.4980, 0.9996
CMYK	0.25, 0.00, 1.00, 0.50
HSL	75°, 100%, 25%
HSV	75°, 100%, 50%
XYZ	12.5422, 17.9251, 2.8012
YIQ	103.8400, 22.0160, -46.5920

Conversions

Conversions Part 2

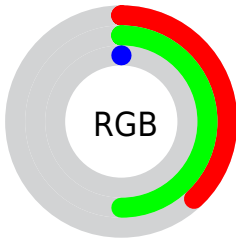
Format	Color
RYB	0, 128, 32
Decimal	6324224
CIELab	49.41, -27.36, 53.73
CIELCh	49, 60.293, 116.990
Yxy	17.9251, 0.3770, 0.5388
Android (android.graphics.Color)	4284514304 (0xFF608000)
YUV	103.8400, -51.1931, -6.8757
Hunter-Lab	42.3380, -21.2126, 25.7138

Details

The Yxy color **17.9251, 0.3770, 0.5388** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.8695, 0.1671, 0.0695**, and the grayscale version is **13.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9134, 0.3706, 0.4922**, and **6.1274, 0.3504, 0.5600** is the 20% darker color. If you saturate the color by 10%, you get **17.9245, 0.3770, 0.5389**, and if you desaturate by 10%, it is **18.1318, 0.3780, 0.5289**.

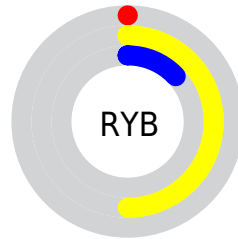
Distribution



Red (38%)

Green (50%)

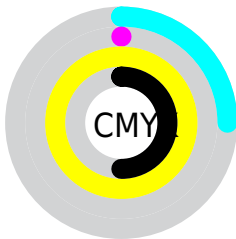
Blue (0%)



Red (0%)

Yellow (50%)

Blue (13%)

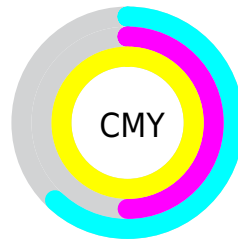


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (62%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9251, 0.3770, 0.5388 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 17.9251, 0.3770, 0.5388 by changing the saturation by 10% instead.


 17.9251, 0.3770,
0.5388


 17.9251, 0.3770,
0.5388


240.4485, 0.3502,
0.4175


 10.8962, 0.3768,
0.5711


 39.9097, 0.3708,
0.4919


 5.9971, 0.3769,
0.6231

 55.6341, 0.3672,
0.4749

 2.8433, 0.3444,
0.6556

 75.0259, 0.3636,
0.4610

 1.0505, 0.2344,
0.7656

 98.4694, 0.3604,
0.4493


 0.0000, 0.0000,
0.0000


 126.3491, 0.3574,
0.4395


 159.0492, 0.3548,


0.4311

 196.9542, 0.3523,
0.4238


 17.9251, 0.3770,
0.5388


 17.9251, 0.3770,
0.5388


 17.9245, 0.3770,
0.5389

 18.1318, 0.3780,
0.5289

 18.3608, 0.3773,
0.5160

 18.6225, 0.3743,
0.4989

 18.9200, 0.3691,
0.4781

 19.2561, 0.3619,
0.4546

■ 19.6332, 0.3533,
0.4294

■ 20.0534, 0.3436,
0.4034

■ 20.5187, 0.3334,
0.3776

■ 21.0311, 0.3230,
0.3526

Harmonies

Analogous

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



17.9251, 0.4696, 0.4778



17.9251, 0.3770, 0.5388



17.9251, 0.2746, 0.5228

Triad

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



17.9251, 0.3770, 0.5388



17.9251, 0.1321, 0.2015



17.9251, 0.4376, 0.2576

Complementary

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



17.9251, 0.3770, 0.5388



1.8695, 0.1671, 0.0695

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.



17.9251, 0.3180, 0.2039



17.9251, 0.3770, 0.5388



17.9251, 0.1571, 0.1710

Square

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



17.9251, 0.3770, 0.5388



17.9251, 0.1403, 0.2783



17.9251, 0.2179, 0.1736



17.9251, 0.5213, 0.3250

Rectangle

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



17.9251, 0.3770, 0.5388



17.9251, 0.2131, 0.4520



17.9251, 0.2179, 0.1736



17.9251, 0.3985, 0.2376

Sweetspot

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



17.9259, 0.3770, 0.5388



35.2449, 0.3444, 0.4054



5.6266, 0.6024, 0.3597



8.1888, 0.3479, 0.4146



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.



17.9259, 0.3770, 0.5388



31.4860, 0.3760, 0.5396



15.7481, 0.3119, 0.5905



4.9669, 0.3221, 0.3506



17.7725, 0.3770, 0.5389



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.8695, 0.1671, 0.0695



3.2256, 0.1652, 0.0684



4.0489, 0.2603, 0.1208



4.2597, 0.3028, 0.3070



1.8511, 0.1670, 0.0694



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.9251, 0.3770, 0.5388 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 17.9251, 0.3770, 0.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

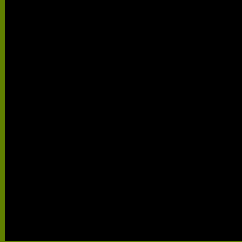
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9251, 0.3770, 0.5388

Background



This preview shows how black text looks on a background with the Yxy color 17.9251, 0.3770, 0.5388.



This preview shows how white text looks on a background with the Yxy color 17.9251, 0.3770, 0.5388.

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

17.9251, 0.3770, 0.5388

Protanopia

17.8624, 0.4387, 0.4899

Deuteranopia

17.7307, 0.4616, 0.4532



Tritanopia

17.8780, 0.2883, 0.3113

Trichromacy



Original Color

17.9251, 0.3770, 0.5388

Protanomaly

17.8410, 0.4152, 0.5085

Deuteranomaly

17.4242, 0.4315, 0.4850

Tritanomaly

17.3967, 0.3355, 0.4158

Monochromacy



Original Color

17.9251, 0.3770, 0.5388

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.9703, 0.3540, 0.4324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9251, 0.3770, 0.5388 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(96, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 128, 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(96, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.9251, 0.3770, 0.5388 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(96, 128, 0) }
```

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

```
.border{ border-color:rgb(96, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9251, 0.3770, 0.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 128, 0) }
```

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

```
.background{ background-color: rgb(96, 128,  
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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