

Converting Colors

$Y_{xy}(28.5209, 0.3836, 0.5508)$

Have a look what the booklet for
Yxy(28.5209, 0.3836, 0.5508)
contains.

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Color

Yxy(28.4468, 0.3779, 0.5382)

Conversions

Conversions Part 1

Format	Color
Hex	789E00
RGB	120, 158, 0
RGB Percent	47%, 62%, 0%
CMY	0.5293, 0.3804, 1.0000
CMYK	0.24, 0.00, 1.00, 0.38
HSL	74°, 100%, 31%
HSV	74°, 100%, 62%
XYZ	19.9741, 28.4468, 4.4346
YIQ	128.6260, 28.0700, -57.1940

Conversions

Conversions Part 2

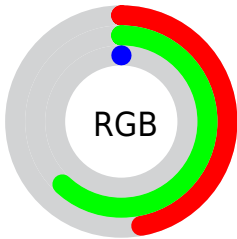
Format	Color
RYB	0, 158, 38
Decimal	7904768
CIELab	60.29, -31.57, 62.72
CIELCh	60, 70.221, 116.718
Yxy	28.4468, 0.3779, 0.5382
Android (android.graphics.Color)	4286094848 (0xFF789E00)
YUV	128.6260, -63.4126, -7.5650
Hunter-Lab	53.3355, -26.4892, 32.4052

Details

The Yxy color **28.4468, 0.3779, 0.5382** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8804, 0.1644, 0.0680**, and the grayscale version is **22.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2996, 0.3721, 0.4969**, and **11.4319, 0.3563, 0.5553** is the 20% darker color. If you saturate the color by 10%, you get **28.4483, 0.3779, 0.5382**, and if you desaturate by 10%, it is **28.7622, 0.3794, 0.5295**.

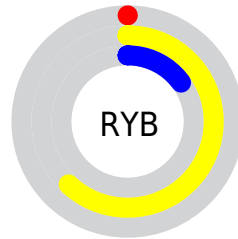
Distribution



Red (47%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (15%)

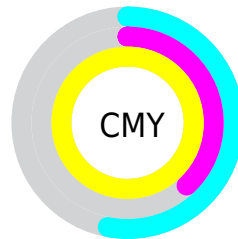


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (53%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4468, 0.3779, 0.5382 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 28.4468, 0.3779, 0.5382 by changing the saturation by 10% instead.


 28.4468, 0.3779,
0.5382


 28.4468, 0.3779,
0.5382


 294.5958, 0.3534,
0.4256


 18.6627, 0.3782,
0.5653


 57.1970, 0.3726,
0.4970

 11.4268, 0.3753,
0.5999


 76.9319, 0.3694,
0.4815


 6.3547, 0.3618,
0.6382


 100.7526, 0.3662,
0.4683

 3.0619, 0.3258,
0.6742

 129.0434, 0.3632,
0.4572

 1.1642, 0.2114,
0.7886

 162.1887, 0.3604,
0.4476


 0.0321, 0.0000,
1.0000


 200.5729, 0.3579,


 0.0000, 0.0000,


0.4393

0.0000


 244.5805, 0.3555,
0.4320


 28.4468, 0.3779,
0.5382


 28.4468, 0.3779,
0.5382


 28.4483, 0.3779,
0.5382

 28.7622, 0.3794,
0.5295

 29.1154, 0.3790,
0.5174

 29.5207, 0.3761,
0.5007

 29.9835, 0.3709,
0.4802

 30.5082, 0.3636,
0.4567

■ 31.0990, 0.3547,
0.4313

■ 31.7595, 0.3447,
0.4050

■ 32.4930, 0.3342,
0.3787

■ 33.3028, 0.3234,
0.3532

Harmonies

Analogous

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



28.4468, 0.4702, 0.4769



28.4468, 0.3779, 0.5382



28.4468, 0.2756, 0.5231

Triad

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



28.4468, 0.3779, 0.5382



28.4468, 0.1322, 0.2021



28.4468, 0.4364, 0.2571

Complementary

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



28.4468, 0.3779, 0.5382



2.8804, 0.1644, 0.0680

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.



28.4468, 0.3169, 0.2037



28.4468, 0.3779, 0.5382



28.4468, 0.1569, 0.1713

Square

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



28.4468, 0.3779, 0.5382



28.4468, 0.1407, 0.2793



28.4468, 0.2173, 0.1737



28.4468, 0.5206, 0.3244

Rectangle

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



28.4468, 0.3779, 0.5382



28.4468, 0.2140, 0.4529



28.4468, 0.2173, 0.1737



28.4468, 0.3973, 0.2372

Sweetspot

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



28.4483, 0.3779, 0.5382



57.6009, 0.3453, 0.4065



8.5840, 0.6093, 0.3544



12.8758, 0.3494, 0.4170



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.4483, 0.3779, 0.5382



51.5657, 0.3771, 0.5388



24.9489, 0.3121, 0.5904



7.6400, 0.3226, 0.3513



22.8028, 0.3782, 0.5379



0.4257, 0.3957, 0.5240

Inverse Universe

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



2.8804, 0.1644, 0.0680



5.1523, 0.1630, 0.0671



6.1725, 0.2551, 0.1179



6.5084, 0.3023, 0.3061



2.3228, 0.1651, 0.0683



0.0591, 0.2033, 0.0894

Previews

White Background



This preview shows how the Yxy color 28.4468, 0.3779, 0.5382 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 28.4468, 0.3779, 0.5382 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 28.4468, 0.3779, 0.5382

Background



This preview shows how black text looks on a background with the Yxy color 28.4468, 0.3779, 0.5382.



This preview shows how white text looks on a background with the Yxy color 28.4468, 0.3779, 0.5382.

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

28.4468, 0.3779, 0.5382

Protanopia

28.1433, 0.4410, 0.4880

Deuteranopia

28.3329, 0.4630, 0.4549



Tritanopia

28.4390, 0.2888, 0.3096

Trichromacy



Original Color

28.4468, 0.3779, 0.5382

Protanomaly

28.1086, 0.4171, 0.5071

Deuteranomaly

27.7681, 0.4329, 0.4861

Tritanomaly

27.7399, 0.3369, 0.4159

Monochromacy



Original Color

28.4468, 0.3779, 0.5382

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.8010, 0.3556, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4468, 0.3779, 0.5382 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, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 158, 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, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4468, 0.3779, 0.5382 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, 158, 0) }
```

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

```
.border{ border-color:rgb(120, 158, 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, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4468, 0.3779, 0.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 158, 0) }
```

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

```
.background{ background-color: rgb(120,  
158, 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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