

Converting Colors

$Y_{xy}(27.3792, 0.3762, 0.5395)$

Have a look what the booklet for
Yxy(27.3792, 0.3762, 0.5395)
contains.

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Color

Yxy(27.5588, 0.3763, 0.5394)

Conversions

Conversions Part 1

Format	Color
Hex	759C00
RGB	117, 156, 0
RGB Percent	46%, 61%, 0%
CMY	0.5411, 0.3882, 0.9998
CMYK	0.25, 0.00, 1.00, 0.39
HSL	75°, 100%, 31%
HSV	75°, 100%, 61%
XYZ	19.2258, 27.5588, 4.3070
YIQ	126.5550, 26.8320, -56.7840

Conversions

Conversions Part 2

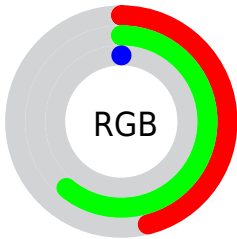
Format	Color
RYB	0, 156, 39
Decimal	7707648
CIELab	59.49, -31.87, 62.01
CIELCh	59, 69.718, 117.204
Yxy	27.5588, 0.3763, 0.5394
Android (android.graphics.Color)	4285897728 (0xFF759C00)
YUV	126.5550, -62.3916, -8.3797
Hunter-Lab	52.4965, -26.4969, 31.8831

Details

The Yxy color **27.5588, 0.3763, 0.5394** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8334, 0.1656, 0.0686**, and the grayscale version is **21.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9406, 0.3711, 0.4978**, and **11.1599, 0.3543, 0.5568** is the 20% darker color. If you saturate the color by 10%, you get **27.5591, 0.3763, 0.5394**, and if you desaturate by 10%, it is **27.8722, 0.3779, 0.5306**.

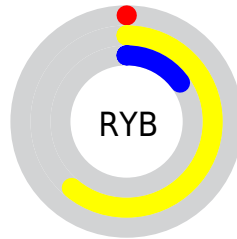
Distribution



Red (46%)

Green (61%)

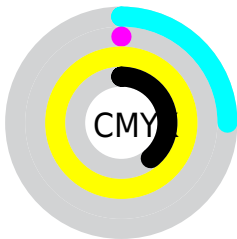
Blue (0%)



Red (0%)

Yellow (61%)

Blue (15%)

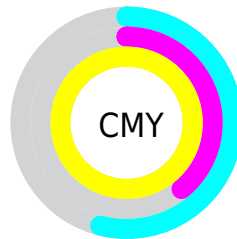


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (54%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5588, 0.3763, 0.5394 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 27.5588, 0.3763, 0.5394 by changing the saturation by 10% instead.


 27.5588, 0.3763,
0.5394


 27.5588, 0.3763,
0.5394


290.3526, 0.3525,
0.4254


 17.9933, 0.3763,
0.5671


 55.7793, 0.3713,
0.4975


 10.9452, 0.3733,
0.6033


 75.2031, 0.3682,
0.4817


 6.0300, 0.3582,
0.6418

 98.6818, 0.3651,
0.4684

 2.8633, 0.3204,
0.6796

 126.5998, 0.3621,
0.4571


 1.0608, 0.1720,
0.8280


 159.3415, 0.3594,
0.4475


 0.0000, 0.0000,
0.0000


 197.2912, 0.3569,


0.4391


 240.8335, 0.3546,
0.4318


 27.5588, 0.3763,
0.5394


 27.5588, 0.3763,
0.5394


 27.5591, 0.3763,
0.5394

 27.8722, 0.3779,
0.5306

 28.2233, 0.3776,
0.5182

 28.6258, 0.3749,
0.5013

 29.0850, 0.3698,
0.4806

 29.6052, 0.3627,
0.4569

■ 30.1904, 0.3540,
0.4313

■ 30.8442, 0.3442,
0.4049

■ 31.5698, 0.3338,
0.3786

■ 32.3702, 0.3232,
0.3531

Harmonies

Analogous

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



27.5588, 0.4692, 0.4785



27.5588, 0.3763, 0.5394



27.5588, 0.2738, 0.5227

Triad

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



27.5588, 0.3763, 0.5394



27.5588, 0.1319, 0.2009



27.5588, 0.4386, 0.2579

Complementary

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



27.5588, 0.3763, 0.5394



2.8334, 0.1656, 0.0686

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.



27.5588, 0.3188, 0.2041



27.5588, 0.3763, 0.5394



27.5588, 0.1572, 0.1707

Square

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



27.5588, 0.3763, 0.5394



27.5588, 0.1398, 0.2774



27.5588, 0.2183, 0.1735



27.5588, 0.5220, 0.3254

Rectangle

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



27.5588, 0.3763, 0.5394



27.5588, 0.2123, 0.4513



27.5588, 0.2183, 0.1735



27.5588, 0.3995, 0.2379

Sweetspot

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



27.5600, 0.3763, 0.5394



55.9432, 0.3448, 0.4066



8.5215, 0.6055, 0.3574



12.2054, 0.3487, 0.4169



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.5600, 0.3763, 0.5394



49.9577, 0.3755, 0.5401



24.2094, 0.3109, 0.5913



7.6368, 0.3224, 0.3514



22.7168, 0.3766, 0.5392



0.4246, 0.3948, 0.5247

Inverse Universe

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



2.8334, 0.1656, 0.0686



5.0635, 0.1640, 0.0677



6.1841, 0.2592, 0.1202



6.5114, 0.3024, 0.3062



2.3468, 0.1661, 0.0689



0.0600, 0.2052, 0.0904

Previews

White Background



This preview shows how the Yxy color 27.5588, 0.3763, 0.5394 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 27.5588, 0.3763, 0.5394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

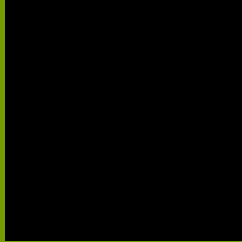
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5588, 0.3763, 0.5394

Background



This preview shows how black text looks on a background with the Yxy color 27.5588, 0.3763, 0.5394.



This preview shows how white text looks on a background with the Yxy color 27.5588, 0.3763, 0.5394.

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

27.5588, 0.3763, 0.5394

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

27.4003, 0.4624, 0.4549



Tritanopia

27.5104, 0.2875, 0.3093

Trichromacy



Original Color

27.5588, 0.3763, 0.5394

Protanomaly

27.1996, 0.4159, 0.5080

Deuteranomaly

26.8567, 0.4319, 0.4866

Tritanomaly

26.8506, 0.3352, 0.4156

Monochromacy



Original Color

27.5588, 0.3763, 0.5394

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.9820, 0.3539, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5588, 0.3763, 0.5394 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(117, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 156, 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(117, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 156, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.5588, 0.3763, 0.5394 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(117, 156, 0) }
```

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

```
.border{ border-color:rgb(117, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 156,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5588, 0.3763, 0.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 156, 0) }
```

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

```
.background{ background-color: rgb(117,  
156, 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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