

Converting Colors

$Y_{xy}(27.8512, 0.3662, 0.5177)$

Have a look what the booklet for
Yxy(27.8512, 0.3662, 0.5177)
contains.

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Color

Yxy(27.7053, 0.3660, 0.5176)

Conversions

Conversions Part 1

Format	Color
Hex	759C27
RGB	117, 156, 39
RGB Percent	46%, 61%, 15%
CMY	0.5412, 0.3882, 0.8472
CMYK	0.25, 0.00, 0.75, 0.39
HSL	80°, 60%, 38%
HSV	80°, 75%, 61%
XYZ	19.5907, 27.7053, 6.2305
YIQ	131.0010, 14.3130, -44.6550

Conversions

Conversions Part 2

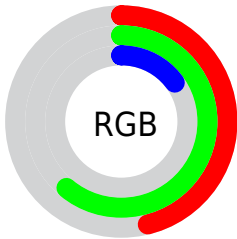
Format	Color
R_{YB}	39, 156, 78
Decimal	7707687
CIE _{Lab}	59.62, -30.60, 53.31
CIE _{LCh}	60, 61.471, 119.857
Yxy	27.7053, 0.3660, 0.5176
Android (android.graphics.Color)	4285897767 (0xFF759C27)
YUV	131.0010, -45.3565, -12.2789
Hunter-Lab	52.6358, -25.6762, 29.8269

Details

The Yxy color **27.7053, 0.3660, 0.5176** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.4665, 0.2084, 0.1155**, and the grayscale version is **22.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1495, 0.3602, 0.4783**, and **10.9906, 0.3567, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **27.2735, 0.3661, 0.5339**, and if you desaturate by 10%, it is **28.2021, 0.3635, 0.4970**.

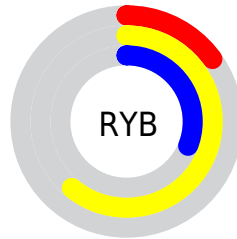
Distribution



Red (46%)

Green (61%)

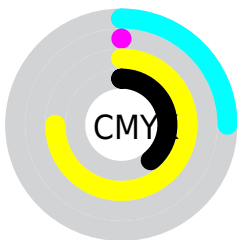
Blue (15%)



Red (15%)

Yellow (61%)

Blue (31%)

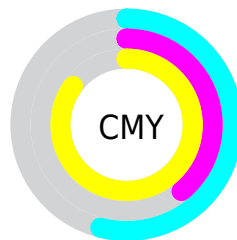


Cyan (25%)

Magenta (0%)

Yellow (75%)

Black (39%)



Cyan (54%)


Magenta (39%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7053, 0.3660, 0.5176 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 27.7053, 0.3660, 0.5176 by changing the saturation by 10% instead.


 27.7053, 0.3660,
0.5176


 27.7053, 0.3660,
0.5176


291.0560, 0.3445,
0.4134


 18.1036, 0.3674,
0.5449


 56.0136, 0.3606,
0.4782

 11.0244, 0.3655,
0.5793


 75.4890, 0.3577,
0.4637


 6.0833, 0.3639,
0.6361

 99.0245, 0.3550,
0.4517

 2.8958, 0.3279,
0.6721

 127.0043, 0.3525,
0.4416

 1.0776, 0.1976,
0.8024

 159.8130, 0.3502,
0.4329

 0.0000, 0.0000,
0.0000

 197.8350, 0.3481,

0.4255

241.4545, 0.3462,
0.4190

■ 27.7053, 0.3660,
0.5176

■ 27.7053, 0.3660,
0.5176

■ 27.2735, 0.3661,
0.5339

■ 28.2021, 0.3635,
0.4970

■ 26.8967, 0.3640,
0.5454

■ 28.7651, 0.3587,
0.4731

■ 26.7226, 0.3625,
0.5504

■ 29.4000, 0.3522,
0.4470

■ 30.1106, 0.3444,
0.4198

■ 30.9006, 0.3357,
0.3926

■ 31.7732, 0.3266,
0.3661

■ 32.7316, 0.3173,
0.3410

■ 33.7786, 0.3082,
0.3176

■ 34.9171, 0.2995,
0.2960

Harmonies

Analogous

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



27.7053, 0.4505, 0.4734



27.7053, 0.3660, 0.5176



27.7053, 0.2729, 0.4899

Triad

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



27.7053, 0.3660, 0.5176



27.7053, 0.1487, 0.2109



27.7053, 0.4327, 0.2711

Complementary

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



27.7053, 0.3660, 0.5176



5.4665, 0.2084, 0.1155

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.



27.7053, 0.3283, 0.2195



27.7053, 0.3660, 0.5176



27.7053, 0.1752, 0.1846

Square

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



27.7053, 0.3660, 0.5176



27.7053, 0.1543, 0.2773



27.7053, 0.2352, 0.1891



27.7053, 0.5016, 0.3350

Rectangle

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



27.7053, 0.3660, 0.5176



27.7053, 0.2182, 0.4250



27.7053, 0.2352, 0.1891



27.7053, 0.3993, 0.2521

Sweetspot

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



27.7065, 0.3660, 0.5176



56.3608, 0.3343, 0.3883



12.3864, 0.5131, 0.3814



12.2900, 0.3373, 0.3974



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.



27.7065, 0.3660, 0.5176



49.0619, 0.3649, 0.5422



24.8979, 0.3142, 0.5531



7.6096, 0.3212, 0.3514



22.0297, 0.3629, 0.5500



0.4160, 0.3866, 0.5312

Inverse Universe

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



5.4665, 0.2084, 0.1155



6.6489, 0.1851, 0.0843



8.9619, 0.2874, 0.1547



6.5373, 0.3037, 0.3062



2.5953, 0.1764, 0.0745



0.0682, 0.2209, 0.0991

Previews

White Background



This preview shows how the Yxy color 27.7053, 0.3660, 0.5176 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 27.7053, 0.3660, 0.5176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

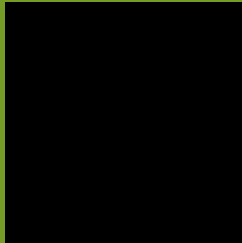
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7053, 0.3660, 0.5176

Background



This preview shows how black text looks on a background with the Yxy color 27.7053, 0.3660, 0.5176.



This preview shows how white text looks on a background with the Yxy color 27.7053, 0.3660, 0.5176.

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

27.7053, 0.3660, 0.5176

Protanopia

27.3494, 0.4295, 0.4730

Deuteranopia

27.3973, 0.4515, 0.4432



Tritanopia

27.4309, 0.2865, 0.3093

Trichromacy



Original Color

27.7053, 0.3660, 0.5176

Protanomaly

27.3331, 0.4053, 0.4901

Deuteranomaly

26.8947, 0.4194, 0.4703

Tritanomaly

27.0698, 0.3210, 0.3907

Monochromacy



Original Color

27.7053, 0.3660, 0.5176

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.0736, 0.3399, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7053, 0.3660, 0.5176 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(117, 156, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 156, 39) }
```

Border

The CSS property to change the border of an element to Yxy 27.7053, 0.3660, 0.5176 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, 39) }
```

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

```
.border{ border-color:rgb(117, 156, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 156, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 156, 39);  
box-shadow:4px 4px 4px 4px rgb(117, 156,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7053, 0.3660, 0.5176 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, 39) }
```

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

```
.background{ background-color: rgb(117,  
156, 39) }
```

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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