

Converting Colors

$Y_{xy}(27.9554, 0.3703, 0.5442)$

Have a look what the booklet for
Yxy(27.9554, 0.3703, 0.5442)
contains.

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Color

Yxy(27.9644, 0.3704, 0.5441)

Conversions

Conversions Part 1

Format	Color
Hex	719E00
RGB	113, 158, 0
RGB Percent	44%, 62%, 0%
CMY	0.5569, 0.3804, 0.9999
CMYK	0.28, 0.00, 1.00, 0.38
HSL	77°, 100%, 31%
HSV	77°, 100%, 62%
XYZ	19.0370, 27.9644, 4.3943
YIQ	126.5330, 23.8980, -58.6780

Conversions

Conversions Part 2

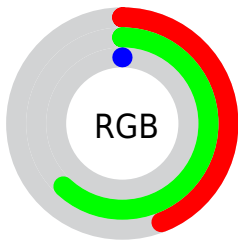
Format	Color
RYB	0, 158, 45
Decimal	7446016
CIELab	59.86, -34.42, 62.18
CIELCh	60, 71.077, 118.969
Yxy	27.9644, 0.3704, 0.5441
Android (android.graphics.Color)	4285636096 (0xFF719E00)
YUV	126.5330, -62.3808, -11.8684
Hunter-Lab	52.8814, -28.2835, 32.0901

Details

The Yxy color **27.9644, 0.3704, 0.5441** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0273, 0.1694, 0.0707**, and the grayscale version is **21.2678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4914, 0.3668, 0.5014**, and **11.2076, 0.3466, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **27.9653, 0.3704, 0.5441**, and if you desaturate by 10%, it is **28.3084, 0.3726, 0.5347**.

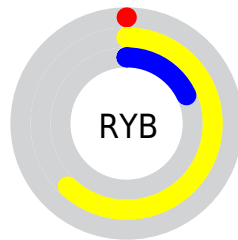
Distribution



Red (44%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (18%)

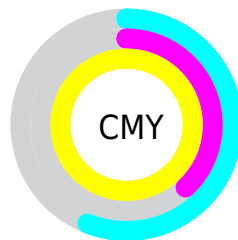


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9644, 0.3704, 0.5441 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 27.9644, 0.3704, 0.5441 by changing the saturation by 10% instead.


 27.9644, 0.3704,
0.5441


 27.9644, 0.3704,
0.5441

292.2968, 0.3501,
0.4271


 18.2988, 0.3694,
0.5728


 56.4276, 0.3667,
0.5009

 11.1647, 0.3650,
0.6101


 75.9940, 0.3641,
0.4847

 6.1778, 0.3487,
0.6513

 99.6295, 0.3614,
0.4711

 2.9535, 0.3086,
0.6914

 127.7184, 0.3588,
0.4595


 1.1075, 0.1509,
0.8491


 160.6453, 0.3563,
0.4496


 0.0000, 0.0000,
0.0000


 198.7943, 0.3541,


0.4411


 242.5500, 0.3520,
0.4336


 27.9644, 0.3704,
0.5441

 27.9644, 0.3704,
0.5441


 27.9653, 0.3704,
0.5441

 28.3084, 0.3726,
0.5347

 28.6948, 0.3729,
0.5217

 29.1374, 0.3708,
0.5042

 29.6417, 0.3663,
0.4827

 30.2124, 0.3598,
0.4584

■ 30.8536, 0.3517,
0.4323

■ 31.5690, 0.3425,
0.4055

■ 32.3622, 0.3327,
0.3789

■ 33.2361, 0.3227,
0.3532

Harmonies

Analogous

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



27.9644, 0.4656, 0.4842



27.9644, 0.3704, 0.5441



27.9644, 0.2670, 0.5213

Triad

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



27.9644, 0.3704, 0.5441



27.9644, 0.1306, 0.1963



27.9644, 0.4470, 0.2607

Complementary

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



27.9644, 0.3704, 0.5441



3.0273, 0.1694, 0.0707

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.



27.9644, 0.3257, 0.2053



27.9644, 0.3704, 0.5441



27.9644, 0.1581, 0.1683

Square

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



27.9644, 0.3704, 0.5441



27.9644, 0.1364, 0.2703



27.9644, 0.2220, 0.1730



27.9644, 0.5275, 0.3292

Rectangle

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



27.9644, 0.3704, 0.5441



27.9644, 0.2060, 0.4453



27.9644, 0.2220, 0.1730



27.9644, 0.4079, 0.2402

Sweetspot

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



27.9656, 0.3704, 0.5441



57.2454, 0.3431, 0.4071



9.1293, 0.5981, 0.3633



12.7866, 0.3468, 0.4178



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.



27.9656, 0.3704, 0.5441



50.6772, 0.3695, 0.5448



24.7992, 0.3085, 0.5933



7.6254, 0.3219, 0.3514



22.4169, 0.3708, 0.5438



0.4209, 0.3914, 0.5275

Inverse Universe

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



3.0273, 0.1694, 0.0707



5.4078, 0.1677, 0.0698



6.7372, 0.2672, 0.1246



6.5222, 0.3030, 0.3062



2.4419, 0.1701, 0.0711



0.0635, 0.2120, 0.0941

Previews

White Background



This preview shows how the Yxy color 27.9644, 0.3704, 0.5441 looks on a white background.

Color Contrast Check

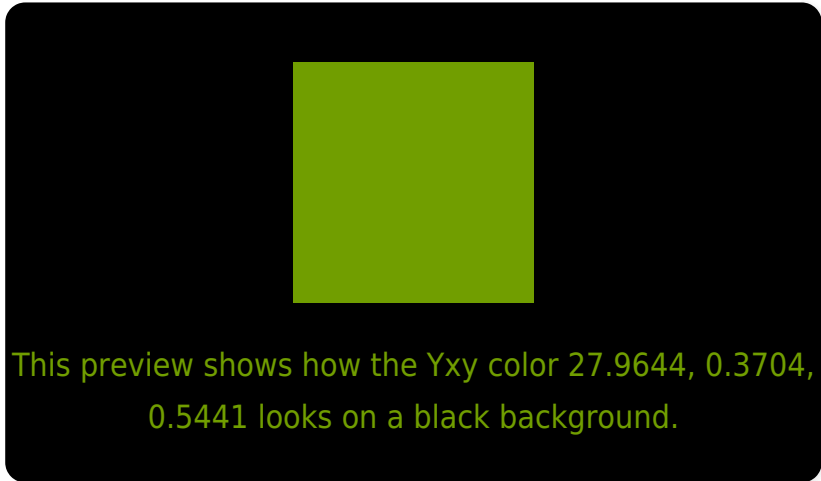
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 27.9644, 0.3704, 0.5441

Background



This preview shows how black text looks on a background with the Yxy color 27.9644, 0.3704, 0.5441.



This preview shows how white text looks on a background with the Yxy color 27.9644, 0.3704, 0.5441.

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

27.9644, 0.3704, 0.5441

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.5258, 0.4630, 0.4536



Tritanopia

27.9598, 0.2831, 0.3093

Trichromacy



Original Color

27.9644, 0.3704, 0.5441

Protanomaly

27.4242, 0.4136, 0.5098

Deuteranomaly

27.0615, 0.4293, 0.4881

Tritanomaly

27.2838, 0.3305, 0.4178

Monochromacy



Original Color

27.9644, 0.3704, 0.5441

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.9086, 0.3527, 0.4344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9644, 0.3704, 0.5441 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(113, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.9644, 0.3704, 0.5441 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(113, 158, 0) }
```

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

```
.border{ border-color:rgb(113, 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(113, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9644, 0.3704, 0.5441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 158, 0) }
```

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

```
.background{ background-color: rgb(113,  
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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