

Converting Colors

$Y_{xy}(27.8024, 0.3597, 0.5526)$

Have a look what the booklet for
Yxy(27.8024, 0.3597, 0.5526)
contains.

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Color

Yxy(27.7393, 0.3604, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	689F00
RGB	104, 159, 0
RGB Percent	41%, 62%, 0%
CMY	0.5921, 0.3765, 1.0000
CMYK	0.35, 0.00, 1.00, 0.38
HSL	81°, 100%, 31%
HSV	81°, 100%, 62%
XYZ	18.1077, 27.7393, 4.3963
YIQ	124.4290, 18.2590, -61.1090

Conversions

Conversions Part 2

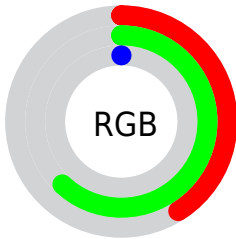
Format	Color
RYB	0, 159, 55
Decimal	6856448
CIELab	59.65, -38.39, 61.82
CIELCh	60, 72.770, 121.836
Yxy	27.7393, 0.3604, 0.5521
Android (android.graphics.Color)	4285046528 (0xFF689F00)
YUV	124.4290, -61.3435, -17.9162
Hunter-Lab	52.6681, -30.7996, 31.9187

Details

The Yxy color **27.7393, 0.3604, 0.5521** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3152, 0.1773, 0.0750**, and the grayscale version is **20.5132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0346, 0.3591, 0.5066**, and **11.1438, 0.3333, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **27.7408, 0.3604, 0.5521**, and if you desaturate by 10%, it is **28.1178, 0.3634, 0.5418**.

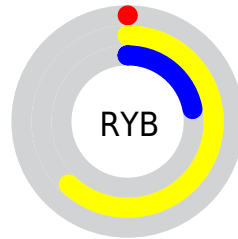
Distribution



Red (41%)

Green (62%)

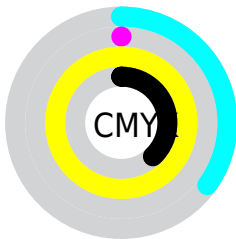
Blue (0%)



Red (0%)

Yellow (62%)

Blue (22%)

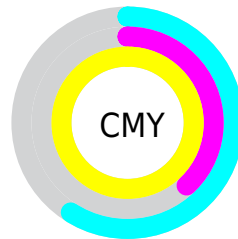


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (59%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7393, 0.3604, 0.5521 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 27.7393, 0.3604, 0.5521 by changing the saturation by 10% instead.


 27.7393, 0.3604,
0.5521


 27.7393, 0.3604,
0.5521


 291.2191, 0.3458,
0.4294


 18.1292, 0.3578,
0.5829


 56.0680, 0.3590,
0.5063


 11.0428, 0.3510,
0.6232


 75.5553, 0.3571,
0.4893

 6.0956, 0.3314,
0.6686

 99.1039, 0.3550,
0.4751

 2.9033, 0.2864,
0.7136

 127.0981, 0.3530,
0.4630


 1.0815, 0.0678,
0.9322

 159.9224, 0.3510,
0.4527

 0.0000, 0.0000,
0.0000


 197.9610, 0.3491,


0.4439

 241.5985, 0.3474,
0.4361


 27.7393, 0.3604,
0.5521


 27.7393, 0.3604,
0.5521


 27.7408, 0.3604,
0.5521

 28.1178, 0.3634,
0.5418

 28.5457, 0.3647,
0.5277

 29.0375, 0.3635,
0.5089

 29.5988, 0.3601,
0.4863

 30.2347, 0.3547,
0.4609

■ 30.9494, 0.3476,
0.4338

■ 31.7468, 0.3395,
0.4063

■ 32.6308, 0.3308,
0.3793

■ 33.6045, 0.3217,
0.3534

Harmonies

Analogous

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



27.7393, 0.4595, 0.4939



27.7393, 0.3604, 0.5521



27.7393, 0.2555, 0.5187

Triad

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



27.7393, 0.3604, 0.5521



27.7393, 0.1285, 0.1888



27.7393, 0.4612, 0.2652

Complementary

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



27.7393, 0.3604, 0.5521



3.3152, 0.1773, 0.0750

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.



27.7393, 0.3377, 0.2073



27.7393, 0.3604, 0.5521



27.7393, 0.1596, 0.1643

Square

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



27.7393, 0.3604, 0.5521



27.7393, 0.1308, 0.2586



27.7393, 0.2283, 0.1720



27.7393, 0.5364, 0.3353

Rectangle

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



27.7393, 0.3604, 0.5521



27.7393, 0.1955, 0.4349



27.7393, 0.2283, 0.1720



27.7393, 0.4220, 0.2440

Sweetspot

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



27.7408, 0.3604, 0.5521



56.7687, 0.3400, 0.4079



9.9174, 0.5858, 0.3731



12.6673, 0.3433, 0.4188



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.



27.7408, 0.3604, 0.5521



49.5685, 0.3593, 0.5529



25.0232, 0.3056, 0.5956



7.6055, 0.3210, 0.3515



21.9338, 0.3609, 0.5517



0.4148, 0.3854, 0.5322

Inverse Universe

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



3.3152, 0.1773, 0.0750



5.8390, 0.1756, 0.0741



7.4493, 0.2796, 0.1314



6.5412, 0.3039, 0.3063



2.6397, 0.1782, 0.0755



0.0695, 0.2232, 0.1003

Previews

White Background



This preview shows how the Yxy color 27.7393, 0.3604, 0.5521 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 27.7393, 0.3604, 0.5521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

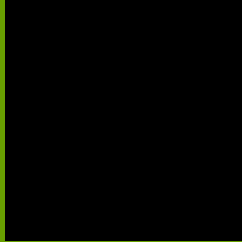
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7393, 0.3604, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 27.7393, 0.3604, 0.5521.



This preview shows how white text looks on a background with the Yxy color 27.7393, 0.3604, 0.5521.

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

27.7393, 0.3604, 0.5521

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.4105, 0.4615, 0.4538



Tritanopia

27.7109, 0.2752, 0.3089

Trichromacy



Original Color

27.7393, 0.3604, 0.5521

Protanomaly

27.1576, 0.4101, 0.5125

Deuteranomaly

26.6724, 0.4243, 0.4911

Tritanomaly

26.9932, 0.3201, 0.4201

Monochromacy



Original Color

27.7393, 0.3604, 0.5521

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.2377, 0.3491, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7393, 0.3604, 0.5521 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(104, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 159, 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(104, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 159, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7393, 0.3604, 0.5521 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(104, 159, 0) }
```

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

```
.border{ border-color:rgb(104, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 159,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7393, 0.3604, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 159, 0) }
```

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

```
.background{ background-color: rgb(104,  
159, 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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