

Converting Colors

$Y_{xy}(27.0081, 0.3688, 0.5636)$

Have a look what the booklet for
Yxy(27.0081, 0.3688, 0.5636)
contains.

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Color

Yxy(27.1172, 0.3628, 0.5501)

Conversions

Conversions Part 1

Format	Color
Hex	699D00
RGB	105, 157, 0
RGB Percent	41%, 62%, 0%
CMY	0.5882, 0.3843, 0.9997
CMYK	0.33, 0.00, 1.00, 0.38
HSL	80°, 100%, 31%
HSV	80°, 100%, 62%
XYZ	17.8842, 27.1172, 4.2936
YIQ	123.5540, 19.4050, -59.8510

Conversions

Conversions Part 2

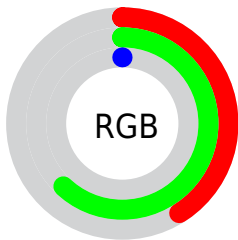
Format	Color
RYB	0, 157, 52
Decimal	6921472
CIELab	59.08, -37.12, 61.38
CIELCh	59, 71.729, 121.162
Yxy	27.1172, 0.3628, 0.5501
Android (android.graphics.Color)	4285111552 (0xFF699D00)
YUV	123.5540, -60.9121, -16.2719
Hunter-Lab	52.0742, -29.8262, 31.5634

Details

The Yxy color **27.1172, 0.3628, 0.5501** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1681, 0.1754, 0.0740**, and the grayscale version is **20.2061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1319, 0.3608, 0.5047**, and **10.7813, 0.3370, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **27.1165, 0.3628, 0.5502**, and if you desaturate by 10%, it is **27.4797, 0.3656, 0.5400**.

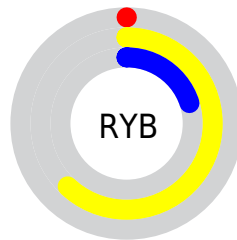
Distribution



Red (41%)

Green (62%)

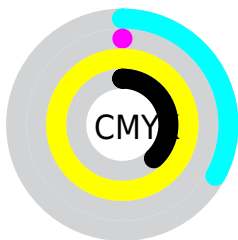
Blue (0%)



Red (0%)

Yellow (62%)

Blue (20%)

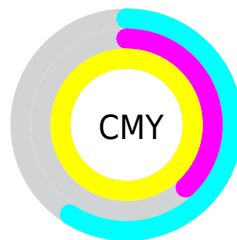


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (59%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1172, 0.3628, 0.5501 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 27.1172, 0.3628, 0.5501 by changing the saturation by 10% instead.


 27.1172, 0.3628,
0.5501


 27.1172, 0.3628,
0.5501


288.2241, 0.3467,
0.4283

 17.6613, 0.3605,
0.5807


 55.0719, 0.3608,
0.5047

 10.7071, 0.3545,
0.6211


 74.3394, 0.3587,
0.4878


 5.8702, 0.3348,
0.6652

 97.6463, 0.3565,
0.4736

 2.7663, 0.2899,
0.7101

 125.3768, 0.3543,
0.4617


 1.0110, 0.0468,
0.9532


 157.9155, 0.3522,
0.4515


 0.0000, 0.0000,
0.0000


 195.6467, 0.3502,


0.4427


 238.9548, 0.3484,
0.4350


 27.1172, 0.3628,
0.5501


 27.1172, 0.3628,
0.5501


 27.1165, 0.3628,
0.5502

 27.4797, 0.3656,
0.5400

 27.8888, 0.3666,
0.5261

 28.3583, 0.3652,
0.5076

 28.8936, 0.3615,
0.4852

 29.4996, 0.3558,
0.4600

■ 30.1803, 0.3485,
0.4332

■ 30.9396, 0.3402,
0.4059

■ 31.7808, 0.3312,
0.3790

■ 32.7074, 0.3219,
0.3532

Harmonies

Analogous

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



27.1172, 0.4609, 0.4916



27.1172, 0.3628, 0.5501



27.1172, 0.2583, 0.5193

Triad

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



27.1172, 0.3628, 0.5501



27.1172, 0.1291, 0.1906



27.1172, 0.4577, 0.2642

Complementary

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



27.1172, 0.3628, 0.5501



3.1681, 0.1754, 0.0740

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.



27.1172, 0.3348, 0.2069



27.1172, 0.3628, 0.5501



27.1172, 0.1592, 0.1653

Square

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



27.1172, 0.3628, 0.5501



27.1172, 0.1322, 0.2614



27.1172, 0.2268, 0.1723



27.1172, 0.5342, 0.3338

Rectangle

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



27.1172, 0.3628, 0.5501



27.1172, 0.1980, 0.4373



27.1172, 0.2268, 0.1723



27.1172, 0.4186, 0.2431

Sweetspot

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



27.1184, 0.3628, 0.5501



55.3192, 0.3407, 0.4076



9.4303, 0.5897, 0.3699



12.0530, 0.3441, 0.4183



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.



27.1184, 0.3628, 0.5501



48.4547, 0.3617, 0.5510



24.3734, 0.3065, 0.5948



7.6102, 0.3212, 0.3514



22.0441, 0.3632, 0.5498



0.4162, 0.3868, 0.5311

Inverse Universe

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



3.1681, 0.1754, 0.0740



5.5737, 0.1736, 0.0730



7.0434, 0.2755, 0.1292



6.5367, 0.3037, 0.3062



2.5888, 0.1761, 0.0744



0.0681, 0.2206, 0.0989

Previews

White Background



This preview shows how the Yxy color 27.1172, 0.3628, 0.5501 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 27.1172, 0.3628, 0.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

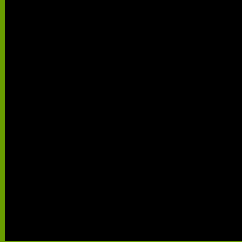
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1172, 0.3628, 0.5501

Background



This preview shows how black text looks on a background with the Yxy color 27.1172, 0.3628, 0.5501.



This preview shows how white text looks on a background with the Yxy color 27.1172, 0.3628, 0.5501.

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

27.1172, 0.3628, 0.5501

Protanopia

26.8196, 0.4403, 0.4886

Deuteranopia

26.6089, 0.4623, 0.4536



Tritanopia

27.0913, 0.2774, 0.3088

Trichromacy



Original Color

27.1172, 0.3628, 0.5501

Protanomaly

26.4429, 0.4112, 0.5117

Deuteranomaly

25.9723, 0.4258, 0.4904

Tritanomaly

26.3971, 0.3223, 0.4186

Monochromacy



Original Color

27.1172, 0.3628, 0.5501

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.9547, 0.3495, 0.4372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1172, 0.3628, 0.5501 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(105, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 157, 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(105, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.1172, 0.3628, 0.5501 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(105, 157, 0) }
```

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

```
.border{ border-color:rgb(105, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1172, 0.3628, 0.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 157, 0) }
```

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

```
.background{ background-color: rgb(105,  
157, 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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