

Converting Colors

$Y_{xy}(10.7439, 0.2753, 0.5111)$

Have a look what the booklet for
Yxy(10.7439, 0.2753, 0.5111)
contains.

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Color

Yxy(10.7206, 0.2755, 0.5118)

Conversions

Conversions Part 1

Format	Color
Hex	006B2F
RGB	0, 107, 47
RGB Percent	0%, 42%, 18%
CMY	1.0000, 0.5804, 0.8156
CMYK	1.00, 0.00, 0.56, 0.58
HSL	146°, 100%, 21%
HSV	146°, 100%, 42%
XYZ	5.7709, 10.7206, 4.4554
YIQ	68.1670, -44.5120, -41.3440

Conversions

Conversions Part 2

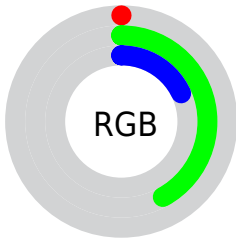
Format	Color
RYB	0, 74, 107
Decimal	27439
CIELab	39.11, -41.01, 26.09
CIELCh	39, 48.603, 147.533
Yxy	10.7206, 0.2755, 0.5118
Android (android.graphics.Color)	4278217519 (0xFF006B2F)
YUV	68.1670, -10.4353, -59.7825
Hunter-Lab	32.7423, -25.8383, 14.8518

Details

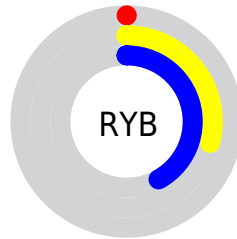
The Yxy color **10.7206, 0.2755, 0.5118** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.4521, 0.4614, 0.2315**, and the grayscale version is **5.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0002, 0.2891, 0.4555**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.7211, 0.2755, 0.5118**, and if you desaturate by 10%, it is **10.8420, 0.2740, 0.4924**.

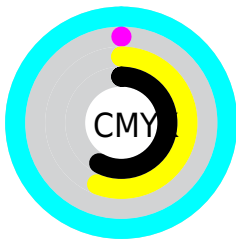
Distribution



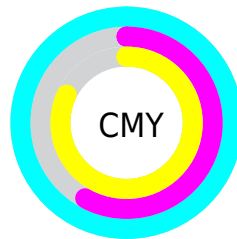
- Red (0%)
- Green (42%)
- Blue (18%)



- Red (0%)
- Yellow (29%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7206, 0.2755, 0.5118 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 10.7206, 0.2755, 0.5118 by changing the saturation by 10% instead.


 10.7206, 0.2755,
0.5118


 10.7206, 0.2755,
0.5118


195.7405, 0.3032,
0.3909


 5.8793, 0.2614,
0.5598

 27.1423, 0.2894,
0.4571


 2.7718, 0.2390,
0.6489

 39.4916, 0.2933,
0.4403

 1.0138, 0.0000,
1.0000

 55.1122, 0.2961,
0.4273


 0.0000, 0.0000,
0.0000

 74.3886, 0.2982,
0.4170

 97.7053, 0.2998,
0.4086


 125.4466, 0.3012,

0.4017


 157.9969, 0.3023,
0.3959


 10.7206, 0.2755,
0.5118


 10.7206, 0.2755,
0.5118


 10.7211, 0.2755,
0.5118

 10.8420, 0.2740,
0.4924

 10.9954, 0.2733,
0.4722

 11.2062, 0.2744,
0.4514

 11.4801, 0.2770,
0.4307

 11.8222, 0.2811,
0.4106

■ 12.2371, 0.2862,
0.3915

■ 12.7290, 0.2922,
0.3736

■ 13.3016, 0.2988,
0.3572

■ 13.9586, 0.3057,
0.3424

Harmonies

Analogous

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



10.7206, 0.3746, 0.5310



10.7206, 0.2755, 0.5118



10.7206, 0.1917, 0.4005

Triad

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



10.7206, 0.2755, 0.5118



10.7206, 0.1629, 0.1760



10.7206, 0.5136, 0.3276

Complementary

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



10.7206, 0.2755, 0.5118



3.4521, 0.4614, 0.2315

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.



10.7206, 0.4344, 0.2616



10.7206, 0.2755, 0.5118



10.7206, 0.2230, 0.1789

Square

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



10.7206, 0.2755, 0.5118



10.7206, 0.1378, 0.2055



10.7206, 0.3201, 0.2089



10.7206, 0.5199, 0.4001

Rectangle

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



10.7206, 0.2755, 0.5118



10.7206, 0.1564, 0.3155



10.7206, 0.3201, 0.2089



10.7206, 0.4944, 0.3047

Sweetspot

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



10.7211, 0.2755, 0.5118



22.7121, 0.2917, 0.3751



11.4963, 0.3493, 0.5609



5.4266, 0.2897, 0.3807



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.7211, 0.2755, 0.5118



19.1729, 0.2769, 0.5167



11.4333, 0.2301, 0.3484



3.4648, 0.3064, 0.3409



13.0364, 0.2760, 0.5136



66.2570, 0.2788, 0.5237

Inverse Universe

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



3.4521, 0.4614, 0.2315



6.1564, 0.4663, 0.2343



3.1415, 0.6270, 0.3227



3.1425, 0.3196, 0.3174



4.1933, 0.4632, 0.2325



21.1898, 0.4736, 0.2382

Previews

White Background



This preview shows how the Yxy color 10.7206, 0.2755, 0.5118 looks on a white 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

Black Background



This preview shows how the Yxy color 10.7206, 0.2755, 0.5118 looks on a black 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

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

Yxy 10.7206, 0.2755, 0.5118

Background



This preview shows how black text looks on a background with the Yxy color 10.7206, 0.2755, 0.5118.



This preview shows how white text looks on a background with the Yxy color 10.7206, 0.2755, 0.5118.

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

10.7206, 0.2755, 0.5118

Protanopia

10.6462, 0.4034, 0.4417

Deuteranopia

10.6721, 0.4118, 0.4073



Tritanopia

10.9037, 0.2364, 0.3080

Trichromacy



Original Color

10.7206, 0.2755, 0.5118



Protanomaly

9.8551, 0.3340, 0.4764



Deuteranomaly

9.7543, 0.3374, 0.4529



Tritanomaly

10.6054, 0.2487, 0.3778

Monochromacy



Original Color

10.7206, 0.2755, 0.5118



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

6.8744, 0.2832, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7206, 0.2755, 0.5118 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(0, 107, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 47)  
}
```

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(0, 107, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 47) }
```

Border

The CSS property to change the border of an element to Yxy 10.7206, 0.2755, 0.5118 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(0, 107, 47) }
```

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

```
.border{ border-color:rgb(0, 107, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7206, 0.2755, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 47) }
```

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

```
.background{ background-color: rgb(0, 107,  
47) }
```

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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