

Converting Colors

$Y_{xy}(27.3732, 0.3912, 0.5276)$

Have a look what the booklet for
Yxy(27.3732, 0.3912, 0.5276)
contains.

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Color

Yxy(27.3717, 0.3912, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	809900
RGB	128, 153, 0
RGB Percent	50%, 60%, 0%
CMY	0.4980, 0.4000, 1.0000
CMYK	0.16, 0.00, 1.00, 0.40
HSL	70°, 100%, 30%
HSV	70°, 100%, 60%
XYZ	20.2953, 27.3717, 4.2126
YIQ	128.0830, 34.2130, -52.8830

Conversions

Conversions Part 2

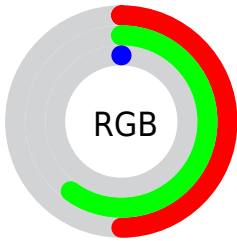
Format	Color
RYB	0, 153, 25
Decimal	8427776
CIELab	59.32, -25.79, 62.21
CIELCh	59, 67.346, 112.516
Yxy	27.3717, 0.3912, 0.5276
Android (android.graphics.Color)	4286617856 (0xFF809900)
YUV	128.0830, -63.1449, -0.0728
Hunter-Lab	52.3180, -22.3123, 31.8486

Details

The Yxy color **27.3717, 0.3912, 0.5276** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.5063, 0.1579, 0.0643**, and the grayscale version is **21.8332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2839, 0.3826, 0.4890**, and **10.9586, 0.3741, 0.5412** is the 20% darker color. If you saturate the color by 10%, you get **27.3730, 0.3912, 0.5276**, and if you desaturate by 10%, it is **27.6045, 0.3913, 0.5202**.

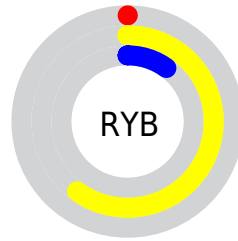
Distribution



Red (50%)

Green (60%)

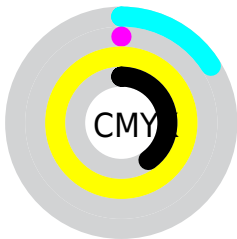
Blue (0%)



Red (0%)

Yellow (60%)

Blue (10%)

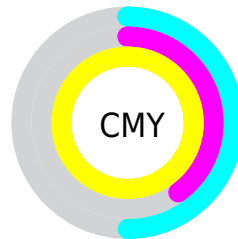


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (50%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3717, 0.3912, 0.5276 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 27.3717, 0.3912, 0.5276 by changing the saturation by 10% instead.


 27.3717, 0.3912,
0.5276


 27.3717, 0.3912,
0.5276


289.4523, 0.3589,
0.4217


 17.8526, 0.3936,
0.5525


 55.4798, 0.3829,
0.4893


 10.8442, 0.3942,
0.5847


 74.8375, 0.3785,
0.4746

 5.9622, 0.3833,
0.6167

 98.2435, 0.3745,
0.4623

 2.8221, 0.3526,
0.6474

 126.0823, 0.3707,
0.4517


 1.0396, 0.2523,
0.7477


 158.7381, 0.3673,
0.4426


 0.0000, 0.0000,
0.0000


 196.5955, 0.3642,


0.4347

 240.0388, 0.3614,
0.4278

 27.3717, 0.3912,
0.5276

 27.3717, 0.3912,
0.5276


 27.3730, 0.3912,
0.5276

 27.6045, 0.3913,
0.5202

 27.8669, 0.3896,
0.5095

 28.1724, 0.3853,
0.4944

 28.5256, 0.3787,
0.4754

 28.9309, 0.3701,
0.4534

■ 29.3919, 0.3598,
0.4291

■ 29.9117, 0.3485,
0.4038

■ 30.4936, 0.3366,
0.3782

■ 31.1404, 0.3246,
0.3531

Harmonies

Analogous

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



27.3717, 0.4779, 0.4642



27.3717, 0.3912, 0.5276



27.3717, 0.2912, 0.5254

Triad

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



27.3717, 0.3912, 0.5276



27.3717, 0.1350, 0.2129



27.3717, 0.4174, 0.2506

Complementary

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



27.3717, 0.3912, 0.5276



2.5063, 0.1579, 0.0643

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.



27.3717, 0.3014, 0.2008



27.3717, 0.3912, 0.5276



27.3717, 0.1548, 0.1768

Square

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



27.3717, 0.3912, 0.5276



27.3717, 0.1487, 0.2961



27.3717, 0.2090, 0.1749



27.3717, 0.5076, 0.3156

Rectangle

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



27.3717, 0.3912, 0.5276



27.3717, 0.2286, 0.4661



27.3717, 0.2090, 0.1749



27.3717, 0.3786, 0.2318

Sweetspot

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



27.3730, 0.3912, 0.5276



53.5106, 0.3492, 0.4053



7.3831, 0.6240, 0.3427



11.7342, 0.3536, 0.4151



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.3730, 0.3912, 0.5276



48.9538, 0.3906, 0.5280



23.5542, 0.3197, 0.5843



7.1719, 0.3236, 0.3512



22.6356, 0.3914, 0.5274



0.3504, 0.4047, 0.5168

Inverse Universe

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



2.5063, 0.1579, 0.0643



4.4336, 0.1567, 0.0637



4.9780, 0.2357, 0.1072



6.0724, 0.3012, 0.3062



2.0818, 0.1584, 0.0646



0.0419, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 27.3717, 0.3912, 0.5276 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 27.3717, 0.3912, 0.5276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

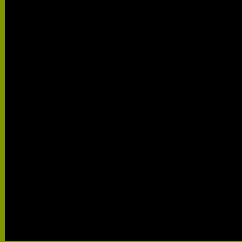
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3717, 0.3912, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 27.3717, 0.3912, 0.5276.



This preview shows how white text looks on a background with the Yxy color 27.3717, 0.3912, 0.5276.

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

27.3717, 0.3912, 0.5276

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

27.1104, 0.4645, 0.4548



Tritanopia

27.2214, 0.3000, 0.3112

Trichromacy



Original Color

27.3717, 0.3912, 0.5276

Protanomaly

27.2570, 0.4216, 0.5034

Deuteranomaly

26.9635, 0.4379, 0.4825

Tritanomaly

26.6551, 0.3502, 0.4132

Monochromacy



Original Color

27.3717, 0.3912, 0.5276

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.0746, 0.3605, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3717, 0.3912, 0.5276 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(128, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 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(128, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.3717, 0.3912, 0.5276 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(128, 153, 0) }
```

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

```
.border{ border-color:rgb(128, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3717, 0.3912, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 0) }
```

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

```
.background{ background-color: rgb(128,  
153, 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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