

Converting Colors

$Y_{xy}(27.7037, 0.3224, 0.5735)$

Have a look what the booklet for
Yxy(27.7037, 0.3224, 0.5735)
contains.

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Color

Yxy(27.7466, 0.3227, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	42A410
RGB	66, 164, 16
RGB Percent	26%, 64%, 6%
CMY	0.7414, 0.3568, 0.9373
CMYK	0.60, 0.00, 0.90, 0.36
HSL	100°, 82%, 35%
HSV	100°, 90%, 64%
XYZ	15.6126, 27.7466, 5.0220
YIQ	117.8260, -10.9000, -66.8040

Conversions

Conversions Part 2

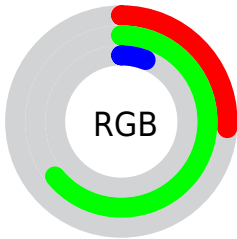
Format	Color
RYB	16, 164, 114
Decimal	4367376
CIELab	59.66, -52.29, 58.72
CIElCh	60, 78.627, 131.682
Yxy	27.7466, 0.3227, 0.5735
Android (android.graphics.Color)	4282557456 (0xFF42A410)
YUV	117.8260, -50.2002, -45.4514
Hunter-Lab	52.6750, -39.2749, 31.2199

Details

The Yxy color **27.7466, 0.3227, 0.5735** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.6319, 0.2464, 0.1181**, and the grayscale version is **18.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1109, 0.3286, 0.5199**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.3764, 0.3181, 0.5856**, and if you desaturate by 10%, it is **28.2304, 0.3266, 0.5559**.

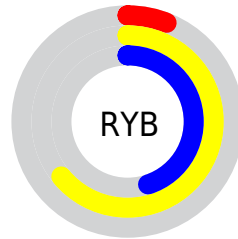
Distribution



Red (26%)

Green (64%)

Blue (6%)



Red (6%)

Yellow (64%)

Blue (45%)

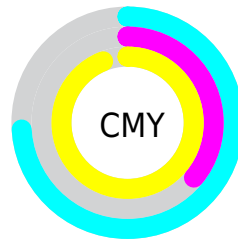


Cyan (60%)

Magenta (0%)

Yellow (90%)

Black (36%)



Cyan (74%)


Magenta (36%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7466, 0.3227, 0.5735 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 27.7466, 0.3227, 0.5735 by changing the saturation by 10% instead.


 27.7466, 0.3227,
0.5735


 27.7466, 0.3227,
0.5735


291.2541, 0.3286,
0.4343


 18.1347, 0.3147,
0.6111


 56.0796, 0.3290,
0.5199


 11.0468, 0.2999,
0.6597


 75.5696, 0.3299,
0.5005


 6.0983, 0.2734,
0.7266

 99.1210, 0.3303,
0.4845

 2.9049, 0.2143,
0.7857

 127.1183, 0.3302,
0.4711

 1.0823, 0.0000,
1.0000

 159.9458, 0.3299,
0.4598

 0.0000, 0.0000,
0.0000

 197.9881, 0.3295,

0.4501


 241.6294, 0.3291,
0.4417


 27.7466, 0.3227,
0.5735


 27.7466, 0.3227,
0.5735


 27.3764, 0.3181,
0.5856

 28.2304, 0.3266,
0.5559

 28.8329, 0.3290,
0.5323

 29.5648, 0.3298,
0.5044

 30.4341, 0.3291,
0.4738

 31.4483, 0.3272,
0.4423

■ 32.6142, 0.3243,
0.4112

■ 33.9382, 0.3208,
0.3818

■ 35.4263, 0.3169,
0.3544

■ 37.0841, 0.3128,
0.3296

Harmonies

Analogous

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



27.7466, 0.4321, 0.5283



27.7466, 0.3227, 0.5735



27.7466, 0.2162, 0.4961

Triad

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



27.7466, 0.3227, 0.5735



27.7466, 0.1254, 0.1672



27.7466, 0.5083, 0.2831

Complementary

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



27.7466, 0.3227, 0.5735



6.6319, 0.2464, 0.1181

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.



27.7466, 0.3838, 0.2176



27.7466, 0.3227, 0.5735



27.7466, 0.1693, 0.1544

Square

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



27.7466, 0.3227, 0.5735



27.7466, 0.1160, 0.2214



27.7466, 0.2558, 0.1723



27.7466, 0.5586, 0.3576

Rectangle

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



27.7466, 0.3227, 0.5735



27.7466, 0.1621, 0.3901



27.7466, 0.2558, 0.1723



27.7466, 0.4720, 0.2598

Sweetspot

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



27.7478, 0.3227, 0.5735



59.8237, 0.3234, 0.4030



19.5636, 0.4830, 0.4453



12.9181, 0.3244, 0.4126



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.7478, 0.3227, 0.5735



49.5832, 0.3169, 0.5866



26.8054, 0.2949, 0.5710



8.0058, 0.3165, 0.3519



21.0122, 0.3188, 0.5851



0.4666, 0.3482, 0.5617

Inverse Universe

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



6.6319, 0.2464, 0.1181



10.6083, 0.2366, 0.1077



10.2108, 0.3574, 0.1792



7.0819, 0.3086, 0.3065



4.5581, 0.2389, 0.1090



0.1201, 0.2699, 0.1261

Previews

White Background



This preview shows how the Yxy color 27.7466, 0.3227, 0.5735 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 27.7466, 0.3227, 0.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

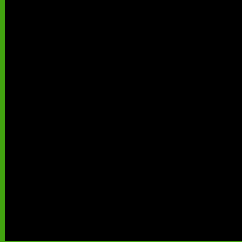
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7466, 0.3227, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 27.7466, 0.3227, 0.5735.



This preview shows how white text looks on a background with the Yxy color 27.7466, 0.3227, 0.5735.

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

27.7466, 0.3227, 0.5735

Protanopia

27.2286, 0.4396, 0.4878

Deuteranopia

27.0452, 0.4587, 0.4496



Tritanopia

27.7744, 0.2507, 0.3081

Trichromacy



Original Color

27.7466, 0.3227, 0.5735

Protanomaly

26.5864, 0.3894, 0.5252

Deuteranomaly

26.0498, 0.4026, 0.4998

Tritanomaly

27.1006, 0.2850, 0.4176

Monochromacy



Original Color

27.7466, 0.3227, 0.5735

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.5747, 0.3267, 0.4394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7466, 0.3227, 0.5735 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(66, 164, 16)` looks like.

```
.text, #text, p{  
    color:rgb(66, 164, 16)  
}
```

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(66, 164, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 164, 16) }
```

Border

The CSS property to change the border of an element to Yxy 27.7466, 0.3227, 0.5735 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(66, 164, 16) }
```

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

```
.border{ border-color:rgb(66, 164, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 164, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 164, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 164, 16);  
box-shadow:4px 4px 4px 4px rgb(66, 164,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7466, 0.3227, 0.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 164, 16) }
```

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

```
.background{ background-color: rgb(66, 164,  
16) }
```

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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