

Converting Colors

$Y_{xy}(27.3935, 0.3165, 0.5509)$

Have a look what the booklet for
Yxy(27.3935, 0.3165, 0.5509)
contains.

Yxy(27.5478, 0.3166, 0.5516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.5478, 0.3166, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	43A329
RGB	67, 163, 41
RGB Percent	26%, 64%, 16%
CMY	0.7373, 0.3608, 0.8392
CMYK	0.59, 0.00, 0.75, 0.36
HSL	107°, 60%, 40%
HSV	107°, 75%, 64%
XYZ	15.8115, 27.5478, 6.5823
YIQ	120.3880, -18.0540, -58.2940

Conversions

Conversions Part 2

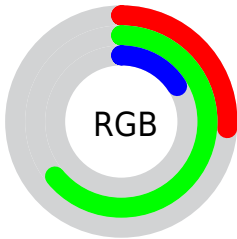
Format	Color
RYB	41, 163, 137
Decimal	4432681
CIELab	59.48, -50.35, 51.64
CIElCh	59, 72.122, 134.274
Yxy	27.5478, 0.3166, 0.5516
Android (android.graphics.Color)	4282622761 (0xFF43A329)
YUV	120.3880, -39.1383, -46.8213
Hunter-Lab	52.4860, -38.0770, 29.3046

Details

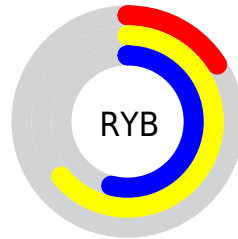
The Yxy color **27.5478, 0.3166, 0.5516** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.5521, 0.2821, 0.1520**, and the grayscale version is **19.0453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8492, 0.3218, 0.5012**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.0535, 0.3136, 0.5732**, and if you desaturate by 10%, it is **28.1920, 0.3187, 0.5242**.

Distribution



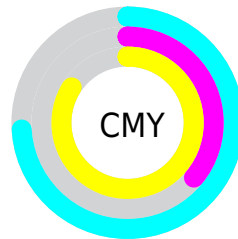
- Red (26%)
- Green (64%)
- Blue (16%)



- Red (16%)
- Yellow (64%)
- Blue (54%)



- Cyan (59%)
- Magenta (0%)
- Yellow (75%)
- Black (36%)



- Cyan (74%)
- Magenta (36%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5478, 0.3166, 0.5516 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 27.5478, 0.3166, 0.5516 by changing the saturation by 10% instead.


 27.5478, 0.3166,
0.5516


 27.5478, 0.3166,
0.5516


290.2998, 0.3232,
0.4235

 17.9851, 0.3099,
0.5879


 55.7617, 0.3222,
0.5014

 10.9393, 0.2972,
0.6354


 75.1816, 0.3232,
0.4835


 6.0260, 0.2806,
0.7194

 98.6560, 0.3237,
0.4689

 2.8609, 0.2229,
0.7771

 126.5694, 0.3238,
0.4567

 1.0595, 0.0000,
1.0000

 159.3060, 0.3238,
0.4465

 0.0000, 0.0000,
0.0000

 197.2504, 0.3236,

0.4377

240.7868, 0.3234,
0.4301

■ 27.5478, 0.3166,
0.5516

■ 27.5478, 0.3166,
0.5516

■ 27.0535, 0.3136,
0.5732

■ 28.1920, 0.3187,
0.5242

■ 26.6926, 0.3098,
0.5877

■ 28.9939, 0.3197,
0.4930

■ 26.5482, 0.3081,
0.5936

■ 29.9648, 0.3197,
0.4601

■ 31.1140, 0.3189,
0.4273

■ 32.4500, 0.3176,
0.3960

■ 33.9807, 0.3158,
0.3670

■ 35.7138, 0.3138,
0.3407

■ 37.6563, 0.3116,
0.3173

■ 39.8150, 0.3094,
0.2965

Harmonies

Analogous

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



27.5478, 0.4202, 0.5233



27.5478, 0.3166, 0.5516



27.5478, 0.2171, 0.4693

Triad

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



27.5478, 0.3166, 0.5516



27.5478, 0.1381, 0.1750



27.5478, 0.5005, 0.2937

Complementary

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



27.5478, 0.3166, 0.5516



9.5521, 0.2821, 0.1520

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.



27.5478, 0.3899, 0.2296



27.5478, 0.3166, 0.5516



27.5478, 0.1837, 0.1648

Square

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



27.5478, 0.3166, 0.5516



27.5478, 0.1266, 0.2237



27.5478, 0.2695, 0.1841



27.5478, 0.5417, 0.3663

Rectangle

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



27.5478, 0.3166, 0.5516



27.5478, 0.1677, 0.3733



27.5478, 0.2695, 0.1841



27.5478, 0.4690, 0.2710

Sweetspot

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



27.5490, 0.3166, 0.5516



58.7460, 0.3172, 0.3887



25.7172, 0.4364, 0.4602



13.0443, 0.3176, 0.3964



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.



27.5490, 0.3166, 0.5516



47.9821, 0.3111, 0.5839



27.1836, 0.2850, 0.5063



7.9643, 0.3147, 0.3520



20.6484, 0.3086, 0.5932



0.4523, 0.3321, 0.5745

Inverse Universe

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



9.5521, 0.2821, 0.1520



13.9466, 0.2726, 0.1315



10.9438, 0.3783, 0.2088



7.1257, 0.3105, 0.3066



5.6596, 0.2685, 0.1253



0.1369, 0.2887, 0.1364

Previews

White Background



This preview shows how the Yxy color 27.5478, 0.3166, 0.5516 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 27.5478, 0.3166, 0.5516 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 27.5478, 0.3166, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 27.5478, 0.3166, 0.5516.



This preview shows how white text looks on a background with the Yxy color 27.5478, 0.3166, 0.5516.

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

27.5478, 0.3166, 0.5516

Protanopia

27.2459, 0.4284, 0.4737

Deuteranopia

26.9230, 0.4469, 0.4389



Tritanopia

27.4121, 0.2511, 0.3080

Trichromacy



Original Color

27.5478, 0.3166, 0.5516



Protanomaly

26.3883, 0.3810, 0.5062



Deuteranomaly

25.7826, 0.3926, 0.4826



Tritanomaly

26.9478, 0.2787, 0.3998

Monochromacy



Original Color

27.5478, 0.3166, 0.5516



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.1304, 0.3191, 0.4199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5478, 0.3166, 0.5516 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(67, 163, 41)` looks like.

```
.text, #text, p{  
    color:rgb(67, 163, 41)  
}
```

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(67, 163, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 163, 41) }
```

Border

The CSS property to change the border of an element to Yxy 27.5478, 0.3166, 0.5516 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(67, 163, 41) }
```

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

```
.border{ border-color:rgb(67, 163, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 163, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 163, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 163, 41);  
box-shadow:4px 4px 4px 4px rgb(67, 163,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5478, 0.3166, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 163, 41) }
```

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

```
.background{ background-color: rgb(67, 163,  
41) }
```

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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