

Converting Colors

$Y_{xy}(27.0519, 0.2737, 0.4354)$

Have a look what the booklet for
Yxy(27.0519, 0.2737, 0.4354)
contains.

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Color

Yxy(27.1429, 0.2741, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	3CA06A
RGB	60, 160, 106
RGB Percent	24%, 63%, 42%
CMY	0.7646, 0.3725, 0.5843
CMYK	0.62, 0.00, 0.34, 0.37
HSL	148°, 45%, 43%
HSV	148°, 62%, 63%
XYZ	17.0366, 27.1429, 17.9751
YIQ	123.9440, -42.2660, -37.9940

Conversions

Conversions Part 2

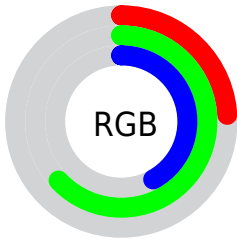
Format	Color
RYB	60, 128, 160
Decimal	3973226
CIELab	59.11, -41.82, 19.78
CIElCh	59, 46.261, 154.688
Yxy	27.1429, 0.2741, 0.4367
Android (android.graphics.Color)	4282163306 (0xFF3CA06A)
YUV	123.9440, -8.8464, -56.0789
Hunter-Lab	52.0988, -32.8026, 16.0130

Details

The Yxy color **27.1429, 0.2741, 0.4367** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9236, 0.3966, 0.2469**, and the grayscale version is **20.1793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3623, 0.2831, 0.4118**, and **10.8209, 0.2662, 0.4784** is the 20% darker color. If you saturate the color by 10%, you get **26.5477, 0.2721, 0.4576**, and if you desaturate by 10%, it is **27.9091, 0.2778, 0.4162**.

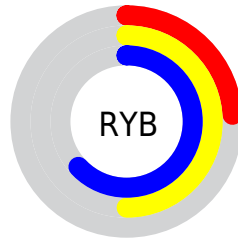
Distribution



Red (24%)

Green (63%)

Blue (42%)



Red (24%)

Yellow (50%)

Blue (63%)

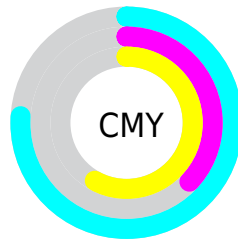


Cyan (62%)

Magenta (0%)

Yellow (34%)

Black (37%)



Cyan (76%)

Magenta (37%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1429, 0.2741, 0.4367 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 27.1429, 0.2741, 0.4367 by changing the saturation by 10% instead.


 27.1429, 0.2741,
0.4367


 27.1429, 0.2741,
0.4367


288.3484, 0.2969,
0.3746


 17.6806, 0.2669,
0.4557


 55.1131, 0.2834,
0.4117

 10.7209, 0.2566,
0.4826


 74.3897, 0.2865,
0.4031

 5.8795, 0.2405,
0.5233

 97.7066, 0.2891,
0.3961

 2.7719, 0.2128,
0.5910

 125.4481, 0.2912,
0.3903

 1.0139, 0.0000,
1.0000

 157.9987, 0.2930,
0.3854

 0.0000, 0.0000,
0.0000

195.7426, 0.2945,

0.3813

239.0644, 0.2957,
0.3777

■ 27.1429, 0.2741,
0.4367

■ 27.1429, 0.2741,
0.4367

■ 26.5477, 0.2721,
0.4576

■ 27.9091, 0.2778,
0.4162

■ 26.1057, 0.2719,
0.4782

■ 28.8558, 0.2829,
0.3966

■ 25.8006, 0.2736,
0.4980

■ 29.9957, 0.2890,
0.3783

■ 25.6307, 0.2756,
0.5121

■ 31.3393, 0.2959,
0.3613

■ 32.8964, 0.3032,
0.3460

■ 34.6761, 0.3108,
0.3322

■ 36.6871, 0.3184,
0.3199

■ 38.9373, 0.3260,
0.3091

■ 41.4347, 0.3333,
0.2995

Harmonies

Analogous

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



27.1429, 0.3475, 0.4716



27.1429, 0.2741, 0.4367



27.1429, 0.2151, 0.3589

Triad

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



27.1429, 0.2741, 0.4367



27.1429, 0.2094, 0.2128



27.1429, 0.4610, 0.3476

Complementary

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



27.1429, 0.2741, 0.4367



11.9236, 0.3966, 0.2469

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.



27.1429, 0.4152, 0.2930



27.1429, 0.2741, 0.4367



27.1429, 0.2636, 0.2193

Square

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



27.1429, 0.2741, 0.4367



27.1429, 0.1826, 0.2321



27.1429, 0.3390, 0.2478



27.1429, 0.4591, 0.4043

Rectangle

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



27.1429, 0.2741, 0.4367



27.1429, 0.1910, 0.3050



27.1429, 0.3390, 0.2478



27.1429, 0.4507, 0.3288

Sweetspot

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



27.1440, 0.2741, 0.4367



57.7414, 0.2981, 0.3564



29.1142, 0.3504, 0.4986



12.5042, 0.2962, 0.3607



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.1440, 0.2741, 0.4367



47.8524, 0.2718, 0.4658



28.4701, 0.2416, 0.3379



7.4493, 0.3057, 0.3413



19.9743, 0.2751, 0.5105



0.3656, 0.2542, 0.4349

Inverse Universe

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



11.9236, 0.3966, 0.2469



17.8564, 0.4257, 0.2370



11.0900, 0.4961, 0.3223



6.7031, 0.3204, 0.3170



6.3596, 0.4750, 0.2390



0.1222, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 27.1429, 0.2741, 0.4367 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 27.1429, 0.2741, 0.4367 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 27.1429, 0.2741, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 27.1429, 0.2741, 0.4367.



This preview shows how white text looks on a background with the Yxy color 27.1429, 0.2741, 0.4367.

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

27.1429, 0.2741, 0.4367

Protanopia

26.7039, 0.3713, 0.3987

Deuteranopia

26.7553, 0.3739, 0.3679



Tritanopia

27.1613, 0.2425, 0.3077

Trichromacy



Original Color

27.1429, 0.2741, 0.4367

Protanomaly

26.0413, 0.3269, 0.4144

Deuteranomaly

25.8670, 0.3287, 0.3930

Tritanomaly

27.1683, 0.2533, 0.3512

Monochromacy



Original Color

27.1429, 0.2741, 0.4367

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.9424, 0.2940, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1429, 0.2741, 0.4367 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(60, 160, 106)` looks like.

```
.text, #text, p{  
    color:rgb(60, 160, 106)  
}
```

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(60, 160, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 160, 106) }
```

Border

The CSS property to change the border of an element to Yxy 27.1429, 0.2741, 0.4367 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(60, 160, 106) }
```

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

```
.border{ border-color:rgb(60, 160, 106) }
```

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

Here you see how a box with a 4 pixel rgb(60, 160, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 160, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 160, 106);  
box-shadow:4px 4px 4px 4px rgb(60, 160,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1429, 0.2741, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 160, 106) }
```

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

```
.background{ background-color: rgb(60, 160,  
106) }
```

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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