

Converting Colors

$Yxy(27.7266, 0.2871, 0.4822)$

Have a look what the booklet for
Yxy(27.7266, 0.2871, 0.4822)
contains.

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Color

$\text{Yxy}(27.7658, 0.2869, 0.4822)$

Conversions

Conversions Part 1

Format	Color
Hex	3AA356
RGB	58, 163, 86
RGB Percent	23%, 64%, 34%
CMY	0.7727, 0.3608, 0.6627
CMYK	0.64, 0.00, 0.47, 0.36
HSL	136°, 48%, 43%
HSV	136°, 64%, 64%
XYZ	16.5201, 27.7658, 13.2956
YIQ	122.8270, -37.8630, -46.2070

Conversions

Conversions Part 2

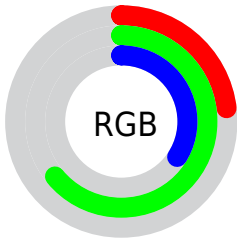
Format	Color
RYB	58, 141, 163
Decimal	3842902
CIELab	59.68, -47.16, 31.25
CIELCh	60, 56.572, 146.464
Yxy	27.7658, 0.2869, 0.4822
Android (android.graphics.Color)	4282032982 (0xFF3AA356)
YUV	122.8270, -18.1557, -56.8533
Hunter-Lab	52.6933, -36.2508, 21.9252

Details

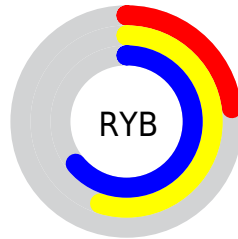
The Yxy color **27.7658, 0.2869, 0.4822** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.5562, 0.3633, 0.2174**, and the grayscale version is **19.8143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1822, 0.2945, 0.4466**, and **11.2918, 0.2833, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **27.1770, 0.2862, 0.5091**, and if you desaturate by 10%, it is **28.5437, 0.2890, 0.4546**.

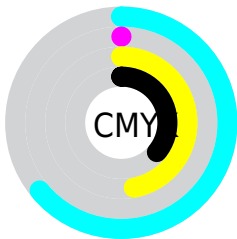
Distribution



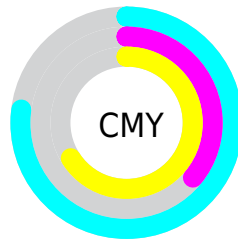
- Red (23%)
- Green (64%)
- Blue (34%)



- Red (23%)
- Yellow (55%)
- Blue (64%)



- Cyan (64%)
- Magenta (0%)
- Yellow (47%)
- Black (36%)



- Cyan (77%)
- Magenta (36%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7658, 0.2869, 0.4822 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 27.7658, 0.2869, 0.4822 by changing the saturation by 10% instead.

 27.7658, 0.2869,
0.4822


 27.7658, 0.2869,
0.4822


291.3461, 0.3044,
0.3932


 18.1492, 0.2802,
0.5093


 56.1103, 0.2948,
0.4464


 11.0572, 0.2699,
0.5473


 75.6070, 0.2972,
0.4340


 6.1053, 0.2523,
0.6035

 99.1658, 0.2991,
0.4240

 2.9092, 0.2294,
0.7241

 127.1712, 0.3006,
0.4157

 1.0845, 0.0000,
1.0000

 160.0076, 0.3019,
0.4087

 0.0000, 0.0000,
0.0000

198.0592, 0.3029,

0.4028

241.7106, 0.3037,
0.3976

■ 27.7658, 0.2869,
0.4822

■ 27.7658, 0.2869,
0.4822

■ 27.1770, 0.2862,
0.5091

■ 28.5437, 0.2890,
0.4546

■ 26.7570, 0.2869,
0.5339

■ 29.5220, 0.2922,
0.4275

■ 26.4869, 0.2891,
0.5553

■ 30.7150, 0.2962,
0.4017

■ 26.3751, 0.2904,
0.5656

■ 32.1347, 0.3007,
0.3778

■ 33.7924, 0.3056,
0.3562

■ 35.6984, 0.3105,
0.3369

■ 37.8624, 0.3154,
0.3198

■ 40.2938, 0.3202,
0.3048

■ 43.0013, 0.3247,
0.2917

Harmonies

Analogous

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



27.7658, 0.3741, 0.5010



27.7658, 0.2869, 0.4822



27.7658, 0.2115, 0.3935

Triad

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



27.7658, 0.2869, 0.4822



27.7658, 0.1797, 0.1952



27.7658, 0.4825, 0.3292

Complementary

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



27.7658, 0.2869, 0.4822



12.5562, 0.3633, 0.2174

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.



27.7658, 0.4133, 0.2693



27.7658, 0.2869, 0.4822



27.7658, 0.2330, 0.1960

Square

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



27.7658, 0.2869, 0.4822



27.7658, 0.1579, 0.2247



27.7658, 0.3168, 0.2223



27.7658, 0.4935, 0.3946

Rectangle

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



27.7658, 0.2869, 0.4822



27.7658, 0.1781, 0.3234



27.7658, 0.3168, 0.2223



27.7658, 0.4650, 0.3084

Sweetspot

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



27.7669, 0.2869, 0.4822



59.0040, 0.3032, 0.3665



31.6519, 0.3706, 0.4919



13.0732, 0.3019, 0.3725



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.



27.7669, 0.2869, 0.4822



48.3336, 0.2863, 0.5193



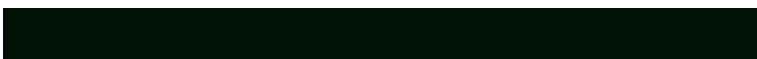
28.9441, 0.2521, 0.3749



7.9247, 0.3081, 0.3459



20.5033, 0.2900, 0.5640



0.4382, 0.2706, 0.4940

Inverse Universe

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



12.5562, 0.3633, 0.2174



18.9464, 0.3784, 0.2036



11.4248, 0.4667, 0.2937



7.1697, 0.3176, 0.3127



7.1031, 0.4006, 0.1981



0.1564, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 27.7658, 0.2869, 0.4822 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 27.7658, 0.2869, 0.4822 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 27.7658, 0.2869, 0.4822

Background



This preview shows how black text looks on a background with the Yxy color 27.7658, 0.2869, 0.4822.



This preview shows how white text looks on a background with the Yxy color 27.7658, 0.2869, 0.4822.

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

27.7658, 0.2869, 0.4822

Protanopia

27.3775, 0.3936, 0.4286

Deuteranopia

27.1693, 0.4022, 0.3932



Tritanopia

27.6582, 0.2440, 0.3079

Trichromacy



Original Color

27.7658, 0.2869, 0.4822



Protanomaly

26.4868, 0.3453, 0.4503



Deuteranomaly

26.1212, 0.3511, 0.4269



Tritanomaly

27.3366, 0.2590, 0.3665

Monochromacy



Original Color

27.7658, 0.2869, 0.4822



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.9554, 0.2986, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7658, 0.2869, 0.4822 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(58, 163, 86)` looks like.

```
.text, #text, p{  
    color:rgb(58, 163, 86)  
}
```

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(58, 163, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 163, 86) }
```

Border

The CSS property to change the border of an element to Yxy 27.7658, 0.2869, 0.4822 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(58, 163, 86) }
```

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

```
.border{ border-color:rgb(58, 163, 86) }
```

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

Here you see how a box with a 4 pixel rgb(58, 163, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 163, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 163, 86);  
box-shadow:4px 4px 4px 4px rgb(58, 163,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7658, 0.2869, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 163, 86) }
```

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

```
.background{ background-color: rgb(58, 163,  
86) }
```

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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