

Converting Colors

$Y_{xy}(19.6538, 0.2812, 0.5299)$

Have a look what the booklet for
Yxy(19.6538, 0.2812, 0.5299)
contains.

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Color

$\text{Yxy}(19.6509, 0.2813, 0.5302)$

Conversions

Conversions Part 1

Format	Color
Hex	038E38
RGB	3, 142, 56
RGB Percent	1%, 56%, 22%
CMY	0.9877, 0.4431, 0.7803
CMYK	0.98, 0.00, 0.61, 0.44
HSL	143°, 96%, 28%
HSV	143°, 98%, 56%
XYZ	10.4259, 19.6509, 6.9864
YIQ	90.6350, -55.2380, -56.2140

Conversions

Conversions Part 2

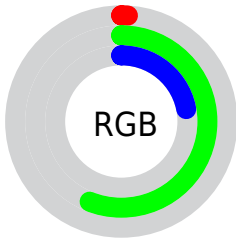
Format	Color
R_{YB}	3, 104, 142
Decimal	233016
CIE _{Lab}	51.44, -51.34, 36.21
CIE _{LCh}	51, 62.826, 144.808
Yxy	19.6509, 0.2813, 0.5302
Android (android.graphics.Color)	4278423096 (0xFF038E38)
YUV	90.6350, -17.0751, -76.8559
Hunter-Lab	44.3293, -35.5947, 21.6863

Details

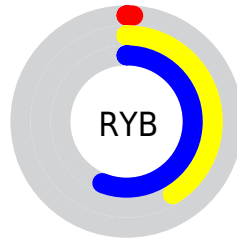
The Yxy color **19.6509, 0.2813, 0.5302** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.5422, 0.4392, 0.2210**, and the grayscale version is **10.4337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8579, 0.2927, 0.4783**, and **7.3211, 0.2982, 0.5936** is the 20% darker color. If you saturate the color by 10%, you get **19.6128, 0.2818, 0.5345**, and if you desaturate by 10%, it is **19.8475, 0.2789, 0.5097**.

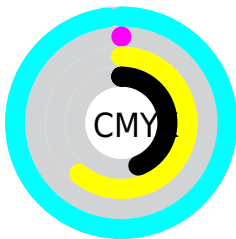
Distribution



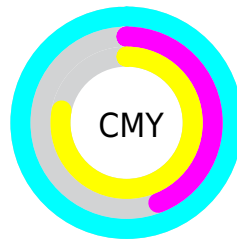
- Red (1%)
- Green (56%)
- Blue (22%)



- Red (1%)
- Yellow (41%)
- Blue (56%)



- Cyan (98%)
- Magenta (0%)
- Yellow (61%)
- Black (44%)




- Cyan (99%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6509, 0.2813, 0.5302 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 19.6509, 0.2813, 0.5302 by changing the saturation by 10% instead.


 19.6509, 0.2813,
0.5302


 19.6509, 0.2813,
0.5302

250.0189, 0.3052,
0.4066


 12.1415, 0.2703,
0.5710


 42.8311, 0.2931,
0.4784


 6.8401, 0.2515,
0.6298


 59.2708, 0.2964,
0.4612


 3.3623, 0.2288,
0.7593

 79.4559, 0.2989,
0.4474

 1.3237, 0.0000,
1.0000

 103.7711, 0.3008,
0.4362

 0.1594, 0.0000,
1.0000

 132.6005, 0.3023,
0.4269

 0.0000, 0.0000,
0.0000

 166.3287, 0.3035,

0.4191

205.3401, 0.3044,
0.4124

■ 19.6509, 0.2813,
0.5302

■ 19.6509, 0.2813,
0.5302

■ 19.6128, 0.2818,
0.5345

■ 19.8475, 0.2789,
0.5097

■ 20.1346, 0.2779,
0.4875

■ 20.5358, 0.2786,
0.4642

■ 21.0631, 0.2810,
0.4407

■ 21.7269, 0.2848,
0.4178

■ 22.5363, 0.2896,
0.3961

■ 23.4998, 0.2952,
0.3758

■ 24.6252, 0.3013,
0.3574

■ 25.9197, 0.3077,
0.3407

Harmonies

Analogous

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



19.6509, 0.3845, 0.5380



19.6509, 0.2813, 0.5302



19.6509, 0.1917, 0.4173

Triad

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



19.6509, 0.2813, 0.5302



19.6509, 0.1529, 0.1707



19.6509, 0.5197, 0.3195

Complementary

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



19.6509, 0.2813, 0.5302



6.5422, 0.4392, 0.2210

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.



19.6509, 0.4305, 0.2524



19.6509, 0.2813, 0.5302



19.6509, 0.2112, 0.1713

Square

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



19.6509, 0.2813, 0.5302



19.6509, 0.1302, 0.2041



19.6509, 0.3094, 0.1998



19.6509, 0.5319, 0.3935

Rectangle

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



19.6509, 0.2813, 0.5302



19.6509, 0.1530, 0.3251



19.6509, 0.3094, 0.1998



19.6509, 0.4974, 0.2962

Sweetspot

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



19.6517, 0.2813, 0.5302



41.1114, 0.2941, 0.3794



21.5811, 0.3583, 0.5518



9.0367, 0.2920, 0.3869



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.6517, 0.2813, 0.5302



34.5561, 0.2828, 0.5382



20.8083, 0.2364, 0.3693



6.0612, 0.3068, 0.3429



17.6129, 0.2816, 0.5337



0.1725, 0.2584, 0.4501

Inverse Universe

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



6.5422, 0.4392, 0.2210



11.3489, 0.4461, 0.2231



5.8755, 0.6130, 0.3179



5.4767, 0.3191, 0.3155



5.7986, 0.4423, 0.2210



0.0597, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 19.6509, 0.2813, 0.5302 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 19.6509, 0.2813, 0.5302 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 19.6509, 0.2813, 0.5302

Background



This preview shows how black text looks on a background with the Yxy color 19.6509, 0.2813, 0.5302.



This preview shows how white text looks on a background with the Yxy color 19.6509, 0.2813, 0.5302.

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

19.6509, 0.2813, 0.5302

Protanopia

19.3836, 0.4123, 0.4518

Deuteranopia

19.3337, 0.4246, 0.4162



Tritanopia

19.6585, 0.2355, 0.3064

Trichromacy



Original Color

19.6509, 0.2813, 0.5302



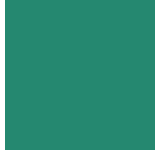
Protanomaly

18.0232, 0.3415, 0.4926



Deuteranomaly

17.5349, 0.3480, 0.4666



Tritanomaly

19.1715, 0.2497, 0.3832

Monochromacy



Original Color

19.6509, 0.2813, 0.5302



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.6317, 0.2864, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6509, 0.2813, 0.5302 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(3, 142, 56)` looks like.

```
.text, #text, p{  
    color:rgb(3, 142, 56)  
}
```

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(3, 142, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 142, 56) }
```

Border

The CSS property to change the border of an element to Yxy 19.6509, 0.2813, 0.5302 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(3, 142, 56) }
```

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

```
.border{ border-color:rgb(3, 142, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 142, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 142, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 142, 56);  
box-shadow:4px 4px 4px 4px rgb(3, 142, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6509, 0.2813, 0.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 142, 56) }
```

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

```
.background{ background-color: rgb(3, 142,  
56) }
```

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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