

Converting Colors

$Yxy(20.1443, 0.2840, 0.5404)$

Have a look what the booklet for
Yxy(20.1443, 0.2840, 0.5404)
contains.

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Color

Yxy(20.2138, 0.2840, 0.5400)

Conversions

Conversions Part 1

Format	Color
Hex	039034
RGB	3, 144, 52
RGB Percent	1%, 56%, 20%
CMY	0.9880, 0.4353, 0.7961
CMYK	0.98, 0.00, 0.64, 0.44
HSL	141°, 96%, 29%
HSV	141°, 98%, 56%
XYZ	10.6310, 20.2138, 6.5882
YIQ	91.3530, -54.5040, -58.5040

Conversions

Conversions Part 2

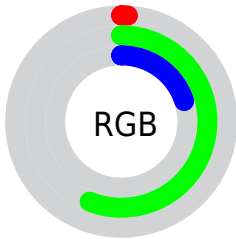
Format	Color
RYB	3, 108, 144
Decimal	233524
CIELab	52.08, -52.53, 38.86
CIELCh	52, 65.344, 143.510
Yxy	20.2138, 0.2840, 0.5400
Android (android.graphics.Color)	4278423604 (0xFF039034)
YUV	91.3530, -19.4010, -77.4856
Hunter-Lab	44.9598, -36.4724, 22.7837

Details

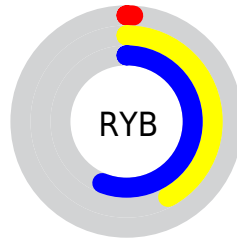
The Yxy color **20.2138, 0.2840, 0.5400** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.8238, 0.4268, 0.2141**, and the grayscale version is **10.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7375, 0.2955, 0.4864**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.1771, 0.2845, 0.5441**, and if you desaturate by 10%, it is **20.4117, 0.2815, 0.5193**.

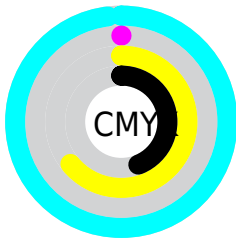
Distribution



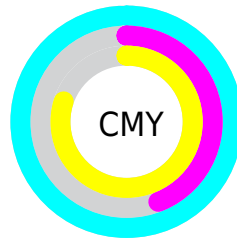
- Red (1%)
- Green (56%)
- Blue (20%)



- Red (1%)
- Yellow (42%)
- Blue (56%)



- Cyan (98%)
- Magenta (0%)
- Yellow (64%)
- Black (44%)





- Cyan (99%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2138, 0.2840, 0.5400 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 20.2138, 0.2840, 0.5400 by changing the saturation by 10% instead.


 20.2138, 0.2840,
0.5400


 20.2138, 0.2840,
0.5400


253.0702, 0.3070,
0.4109


 12.5506, 0.2729,
0.5819


 43.7753, 0.2956,
0.4862

 7.1198, 0.2537,
0.6416


 60.4424, 0.2989,
0.4682


 3.5371, 0.2300,
0.7700

 80.8796, 0.3012,
0.4538

 1.4182, 0.0000,
1.0000

 105.4712, 0.3030,
0.4420

 0.2301, 0.0000,
1.0000

 134.6017, 0.3044,
0.4323

 0.0000, 0.0000,
0.0000

 168.6554, 0.3055,

0.4240

208.0168, 0.3063,
0.4170

■ 20.2138, 0.2840,
0.5400

■ 20.2138, 0.2840,
0.5400

■ 20.1771, 0.2845,
0.5441

■ 20.4117, 0.2815,
0.5193

■ 20.7042, 0.2804,
0.4964

■ 21.1162, 0.2810,
0.4721

■ 21.6600, 0.2831,
0.4475

■ 22.3465, 0.2866,
0.4232

■ 23.1854, 0.2911,
0.4002

■ 24.1856, 0.2964,
0.3787

■ 25.3551, 0.3021,
0.3591

■ 26.7016, 0.3080,
0.3415

Harmonies

Analogous

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



20.2138, 0.3893, 0.5415



20.2138, 0.2840, 0.5400



20.2138, 0.1914, 0.4265

Triad

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



20.2138, 0.2840, 0.5400



20.2138, 0.1477, 0.1678



20.2138, 0.5232, 0.3152

Complementary

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



20.2138, 0.2840, 0.5400



6.8238, 0.4268, 0.2141

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.



20.2138, 0.4287, 0.2476



20.2138, 0.2840, 0.5400



20.2138, 0.2052, 0.1672

Square

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



20.2138, 0.2840, 0.5400



20.2138, 0.1261, 0.2031



20.2138, 0.3039, 0.1951



20.2138, 0.5384, 0.3900

Rectangle

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



20.2138, 0.2840, 0.5400



20.2138, 0.1509, 0.3302



20.2138, 0.3039, 0.1951



20.2138, 0.4992, 0.2917

Sweetspot

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



20.2146, 0.2840, 0.5400



42.3313, 0.2954, 0.3823



22.4965, 0.3634, 0.5479



9.5486, 0.2934, 0.3905



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.2146, 0.2840, 0.5400



35.5582, 0.2855, 0.5477



21.3354, 0.2394, 0.3802



6.0584, 0.3072, 0.3437



17.5743, 0.2842, 0.5431



0.1719, 0.2611, 0.4599

Inverse Universe

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



6.8238, 0.4268, 0.2141



11.8516, 0.4328, 0.2158



6.0732, 0.6056, 0.3136



5.4797, 0.3187, 0.3147



5.8719, 0.4293, 0.2139



0.0603, 0.3708, 0.1817

Previews

White Background



This preview shows how the Yxy color 20.2138, 0.2840, 0.5400 looks on a white background.

Color Contrast Check

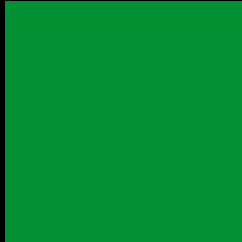
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2138, 0.2840, 0.5400 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 20.2138, 0.2840, 0.5400

Background



This preview shows how black text looks on a background with the Yxy color 20.2138, 0.2840, 0.5400.



This preview shows how white text looks on a background with the Yxy color 20.2138, 0.2840, 0.5400.

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

20.2138, 0.2840, 0.5400

Protanopia

20.0158, 0.4162, 0.4582

Deuteranopia

19.9585, 0.4283, 0.4223



Tritanopia

20.3028, 0.2356, 0.3067

Trichromacy



Original Color

20.2138, 0.2840, 0.5400



Protanomaly

18.5698, 0.3447, 0.5012



Deuteranomaly

18.0708, 0.3509, 0.4744



Tritanomaly

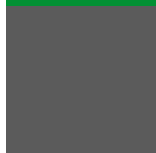
19.7589, 0.2510, 0.3871

Monochromacy



Original Color

20.2138, 0.2840, 0.5400



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.6175, 0.2874, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2138, 0.2840, 0.5400 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, 144, 52)` looks like.

```
.text, #text, p{  
    color:rgb(3, 144, 52)  
}
```

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, 144, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 144, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.2138, 0.2840, 0.5400 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, 144, 52) }
```

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

```
.border{ border-color:rgb(3, 144, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 144, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 144, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 144, 52);  
box-shadow:4px 4px 4px 4px rgb(3, 144, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.2138, 0.2840, 0.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 144, 52) }
```

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

```
.background{ background-color: rgb(3, 144,  
52) }
```

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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