

Converting Colors

$Y_{xy}(19.9627, 0.2812, 0.5247)$

Have a look what the booklet for
Yxy(19.9627, 0.2812, 0.5247)
contains.

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Color

$\text{Yxy}(20.0252, 0.2811, 0.5242)$

Conversions

Conversions Part 1

Format	Color
Hex	0A8F3B
RGB	10, 143, 59
RGB Percent	4%, 56%, 23%
CMY	0.9602, 0.4392, 0.7686
CMYK	0.93, 0.00, 0.59, 0.44
HSL	142°, 87%, 30%
HSV	142°, 93%, 56%
XYZ	10.7384, 20.0252, 7.4378
YIQ	93.6570, -52.3040, -54.3200

Conversions

Conversions Part 2

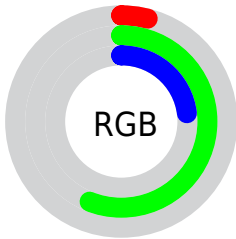
Format	Color
R _Y B	10, 107, 143
Decimal	692027
CIE Lab	51.87, -50.81, 35.25
CIE LCh	52, 61.841, 145.246
Yxy	20.0252, 0.2811, 0.5242
Android (android.graphics.Color)	4278882107 (0xFF0A8F3B)
YUV	93.6570, -17.0859, -73.3672
Hunter-Lab	44.7495, -35.4775, 21.4701

Details

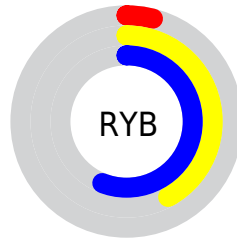
The Yxy color **20.0252, 0.2811, 0.5242** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8701, 0.4265, 0.2176**, and the grayscale version is **11.1689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4707, 0.2921, 0.4740**, and **7.4997, 0.2966, 0.5876** is the 20% darker color. If you saturate the color by 10%, you get **19.8981, 0.2829, 0.5383**, and if you desaturate by 10%, it is **20.2623, 0.2792, 0.5026**.

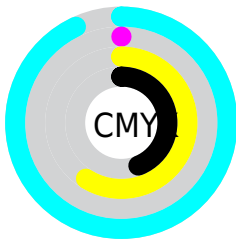
Distribution



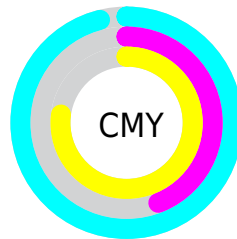
- Red (4%)
- Green (56%)
- Blue (23%)



- Red (4%)
- Yellow (42%)
- Blue (56%)



- Cyan (93%)
- Magenta (0%)
- Yellow (59%)
- Black (44%)





- Cyan (96%)
- Magenta (44%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0252, 0.2811, 0.5242 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 20.0252, 0.2811, 0.5242 by changing the saturation by 10% instead.


 20.0252, 0.2811,
0.5242


 20.0252, 0.2811,
0.5242


252.0515, 0.3047,
0.4047


 12.4134, 0.2705,
0.5636


 43.4594, 0.2926,
0.4742


 7.0259, 0.2525,
0.6205


 60.0506, 0.2959,
0.4575

 3.4783, 0.2283,
0.7355

 80.4037, 0.2984,
0.4442

 1.3862, 0.0059,
0.9941

 104.9031, 0.3002,
0.4333

 0.2065, 0.0000,
1.0000

 133.9332, 0.3017,
0.4243

 0.0000, 0.0000,
0.0000

 167.8783, 0.3029,

0.4167

207.1230, 0.3039,
0.4103

■ 20.0252, 0.2811,
0.5242

■ 20.0252, 0.2811,
0.5242

■ 19.8981, 0.2829,
0.5383

■ 20.2623, 0.2792,
0.5026

■ 20.6080, 0.2790,
0.4794

■ 21.0766, 0.2805,
0.4555

■ 21.6793, 0.2835,
0.4317

■ 22.4261, 0.2877,
0.4088

■ 23.3260, 0.2928,
0.3873

■ 24.3873, 0.2985,
0.3674

■ 25.6176, 0.3046,
0.3495

■ 27.0241, 0.3109,
0.3333

Harmonies

Analogous

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



20.0252, 0.3827, 0.5346



20.0252, 0.2811, 0.5242



20.0252, 0.1932, 0.4133

Triad

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



20.0252, 0.2811, 0.5242



20.0252, 0.1561, 0.1731



20.0252, 0.5162, 0.3213

Complementary

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



20.0252, 0.2811, 0.5242



6.8701, 0.4265, 0.2176

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.



20.0252, 0.4297, 0.2548



20.0252, 0.2811, 0.5242



20.0252, 0.2143, 0.1740

Square

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



20.0252, 0.2811, 0.5242



20.0252, 0.1331, 0.2058



20.0252, 0.3113, 0.2026



20.0252, 0.5276, 0.3946

Rectangle

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



20.0252, 0.2811, 0.5242



20.0252, 0.1552, 0.3238



20.0252, 0.3113, 0.2026



20.0252, 0.4946, 0.2982

Sweetspot

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



20.0260, 0.2811, 0.5242



42.5582, 0.2952, 0.3785



22.0617, 0.3598, 0.5465



9.5961, 0.2930, 0.3864



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.



20.0260, 0.2811, 0.5242



35.6042, 0.2839, 0.5420



21.1981, 0.2368, 0.3672



6.0601, 0.3070, 0.3432



17.5977, 0.2826, 0.5374



0.1722, 0.2594, 0.4538

Inverse Universe

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



6.8701, 0.4265, 0.2176



11.7583, 0.4411, 0.2203



6.1428, 0.5988, 0.3158



5.4778, 0.3189, 0.3152



5.8262, 0.4373, 0.2183



0.0600, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 20.0252, 0.2811, 0.5242 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 20.0252, 0.2811, 0.5242 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 20.0252, 0.2811, 0.5242

Background



This preview shows how black text looks on a background with the Yxy color 20.0252, 0.2811, 0.5242.



This preview shows how white text looks on a background with the Yxy color 20.0252, 0.2811, 0.5242.

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

20.0252, 0.2811, 0.5242

Protanopia

19.7413, 0.4099, 0.4486

Deuteranopia

19.6000, 0.4202, 0.4134



Tritanopia

19.9644, 0.2353, 0.3066

Trichromacy



Original Color

20.0252, 0.2811, 0.5242



Protanomaly

18.4652, 0.3422, 0.4866



Deuteranomaly

17.9332, 0.3472, 0.4611



Tritanomaly

19.5573, 0.2500, 0.3803

Monochromacy



Original Color

20.0252, 0.2811, 0.5242



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.2724, 0.2889, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0252, 0.2811, 0.5242 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(10, 143, 59)` looks like.

```
.text, #text, p{  
    color:rgb(10, 143, 59)  
}
```

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(10, 143, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 143, 59) }
```

Border

The CSS property to change the border of an element to Yxy 20.0252, 0.2811, 0.5242 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(10, 143, 59) }
```

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

```
.border{ border-color:rgb(10, 143, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 143, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 143, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 143, 59);  
box-shadow:4px 4px 4px 4px rgb(10, 143,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0252, 0.2811, 0.5242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 143, 59) }
```

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

```
.background{ background-color: rgb(10, 143,  
59) }
```

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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