

Converting Colors

$Y_{xy}(19.9801, 0.2847, 0.5351)$

Have a look what the booklet for
Yxy(19.9801, 0.2847, 0.5351)
contains.

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Color

Yxy(19.9894, 0.2844, 0.5342)

Conversions

Conversions Part 1

Format	Color
Hex	0C8F36
RGB	12, 143, 54
RGB Percent	5%, 56%, 21%
CMY	0.9522, 0.4392, 0.7882
CMYK	0.91, 0.00, 0.62, 0.44
HSL	139°, 84%, 30%
HSV	139°, 91%, 56%
XYZ	10.6421, 19.9894, 6.7879
YIQ	93.6850, -49.5070, -55.4510

Conversions

Conversions Part 2

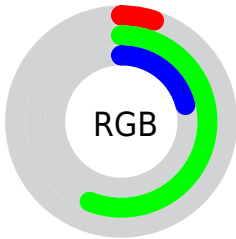
Format	Color
R_{YB}	12, 111, 143
Decimal	823094
CIE _{Lab}	51.83, -51.36, 37.64
CIE _{LCh}	52, 63.674, 143.766
Yxy	19.9894, 0.2844, 0.5342
Android (android.graphics.Color)	4279013174 (0xFF0C8F36)
YUV	93.6850, -19.5647, -71.6377
Hunter-Lab	44.7095, -35.7539, 22.2952




Details

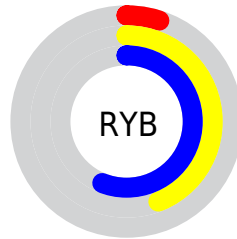
The Yxy color **19.9894, 0.2844, 0.5342** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.0506, 0.4081, 0.2082**, and the grayscale version is **11.1857, 0.3127, 0.3290**.




A 20% lighter version of the original color is **43.4139, 0.2955, 0.4818**, and **7.4844, 0.2996, 0.5984** is the 20% darker color. If you saturate the color by 10%, you get **19.8391, 0.2865, 0.5513**, and if you desaturate by 10%, it is **20.2376, 0.2827, 0.5118**.

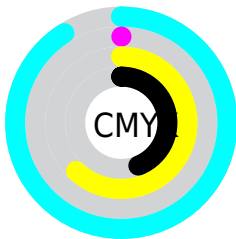
Distribution







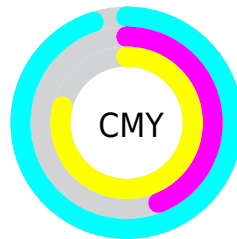
-  Red (5%)
-  Green (56%)
-  Blue (21%)






-  Red (5%)
-  Yellow (44%)
-  Blue (56%)



-  Cyan (91%)
-  Magenta (0%)
-  Yellow (62%)
-  Black (44%)




-  Cyan (95%)
-  Magenta (44%)
-  Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9894, 0.2844, 0.5342 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 19.9894, 0.2844, 0.5342 by changing the saturation by 10% instead.


 19.9894, 0.2844,
0.5342


 19.9894, 0.2844,
0.5342


251.8577, 0.3068,
0.4086


 12.3873, 0.2736,
0.5753


 43.3994, 0.2957,
0.4818


 7.0080, 0.2551,
0.6340


 59.9762, 0.2988,
0.4642


 3.4671, 0.2340,
0.7660

 80.3132, 0.3011,
0.4502

 1.3802, 0.0000,
1.0000

 104.7951, 0.3029,
0.4388

 0.2021, 0.0000,
1.0000

 133.8060, 0.3042,
0.4293

 0.0000, 0.0000,
0.0000

 167.7305, 0.3053,

0.4213

206.9530, 0.3061,
0.4144

■ 19.9894, 0.2844,
0.5342

■ 19.9894, 0.2844,
0.5342

■ 19.8391, 0.2865,
0.5513

■ 20.2376, 0.2827,
0.5118

■ 20.5988, 0.2826,
0.4872

■ 21.0868, 0.2840,
0.4617

■ 21.7130, 0.2869,
0.4363

■ 22.4875, 0.2908,
0.4118

■ 23.4192, 0.2955,
0.3887

■ 24.5165, 0.3008,
0.3676

■ 25.7871, 0.3063,
0.3484

■ 27.2382, 0.3119,
0.3313

Harmonies

Analogous

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



19.9894, 0.3881, 0.5379



19.9894, 0.2844, 0.5342



19.9894, 0.1934, 0.4230

Triad

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



19.9894, 0.2844, 0.5342



19.9894, 0.1507, 0.1703



19.9894, 0.5193, 0.3167

Complementary

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



19.9894, 0.2844, 0.5342



7.0506, 0.4081, 0.2082

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.



19.9894, 0.4273, 0.2497



19.9894, 0.2844, 0.5342



19.9894, 0.2078, 0.1699

Square

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



19.9894, 0.2844, 0.5342



19.9894, 0.1290, 0.2052



19.9894, 0.3053, 0.1977



19.9894, 0.5342, 0.3908

Rectangle

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



19.9894, 0.2844, 0.5342



19.9894, 0.1535, 0.3295



19.9894, 0.3053, 0.1977



19.9894, 0.4959, 0.2934

Sweetspot

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



19.9902, 0.2844, 0.5342



42.6715, 0.2975, 0.3802



22.4715, 0.3676, 0.5392



9.6549, 0.2960, 0.3868



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.



19.9902, 0.2844, 0.5342



35.5020, 0.2875, 0.5549



21.0562, 0.2411, 0.3816



6.0560, 0.3076, 0.3443



17.5457, 0.2862, 0.5504



0.1714, 0.2634, 0.4683

Inverse Universe

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



7.0506, 0.4081, 0.2082



11.9812, 0.4221, 0.2099



6.2358, 0.5809, 0.3074



5.4821, 0.3183, 0.3141



5.9352, 0.4190, 0.2082



0.0608, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 19.9894, 0.2844, 0.5342 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 19.9894, 0.2844, 0.5342 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 19.9894, 0.2844, 0.5342

Background



This preview shows how black text looks on a background with the Yxy color 19.9894, 0.2844, 0.5342.



This preview shows how white text looks on a background with the Yxy color 19.9894, 0.2844, 0.5342.

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

19.9894, 0.2844, 0.5342

Protanopia

19.6977, 0.4143, 0.4551

Deuteranopia

19.6497, 0.4259, 0.4186



Tritanopia

19.9941, 0.2359, 0.3066

Trichromacy



Original Color

19.9894, 0.2844, 0.5342



Protanomaly

18.4709, 0.3474, 0.4946



Deuteranomaly

18.0042, 0.3535, 0.4674



Tritanomaly

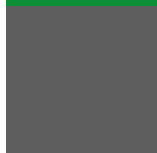
19.5326, 0.2520, 0.3849

Monochromacy



Original Color

19.9894, 0.2844, 0.5342



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.2428, 0.2910, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9894, 0.2844, 0.5342 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(12, 143, 54)` looks like.

```
.text, #text, p{  
    color:rgb(12, 143, 54)  
}
```

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(12, 143, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 143, 54) }
```

Border

The CSS property to change the border of an element to Yxy 19.9894, 0.2844, 0.5342 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(12, 143, 54) }
```

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

```
.border{ border-color:rgb(12, 143, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 143, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 143, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 143, 54);  
box-shadow:4px 4px 4px 4px rgb(12, 143,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9894, 0.2844, 0.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 143, 54) }
```

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

```
.background{ background-color: rgb(12, 143,  
54) }
```

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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