

Converting Colors

$Y_{xy}(19.8074, 0.2921, 0.5630)$

Have a look what the booklet for
Yxy(19.8074, 0.2921, 0.5630)
contains.

Yxy(19.8494, 0.2920, 0.5628)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8494, 0.2920, 0.5628)

Conversions

Conversions Part 1

Format	Color
Hex	0A8F26
RGB	10, 143, 38
RGB Percent	4%, 56%, 15%
CMY	0.9603, 0.4392, 0.8510
CMYK	0.93, 0.00, 0.73, 0.44
HSL	133°, 87%, 30%
HSV	133°, 93%, 56%
XYZ	10.2986, 19.8494, 5.1211
YIQ	91.2630, -45.5630, -60.8510

Conversions

Conversions Part 2

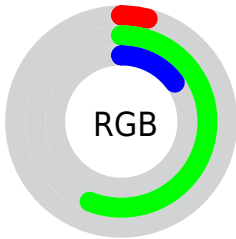
Format	Color
R_{YB}	10, 120, 143
Decimal	692006
CIE _{Lab}	51.67, -53.30, 44.47
CIE _{LCh}	52, 69.415, 140.157
Yxy	19.8494, 0.2920, 0.5628
Android (android.graphics.Color)	4278882086 (0xFF0A8F26)
YUV	91.2630, -26.2587, -71.2677
Hunter-Lab	44.5527, -36.7061, 24.3718

Details

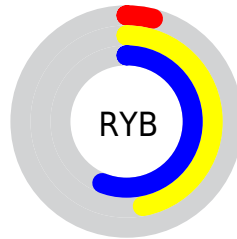
The Yxy color **19.8494, 0.2920, 0.5628** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.3008, 0.3753, 0.1884**, and the grayscale version is **10.6031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2011, 0.3034, 0.5029**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7386, 0.2932, 0.5754**, and if you desaturate by 10%, it is **20.0687, 0.2904, 0.5412**.

Distribution



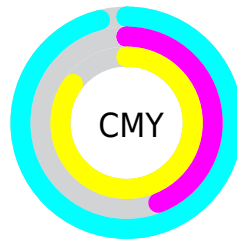
- Red (4%)
- Green (56%)
- Blue (15%)



- Red (4%)
- Yellow (47%)
- Blue (56%)



- Cyan (93%)
- Magenta (0%)
- Yellow (73%)
- Black (44%)





- Cyan (96%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8494, 0.2920, 0.5628 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 19.8494, 0.2920, 0.5628 by changing the saturation by 10% instead.


 19.8494, 0.2920,
0.5628

 19.8494, 0.2920,
0.5628


251.0987, 0.3124,
0.4200


 12.2856, 0.2802,
0.6080


 43.1645, 0.3034,
0.5037

 6.9385, 0.2594,
0.6720


 59.6847, 0.3063,
0.4838

 3.4237, 0.2237,
0.7763

 79.9591, 0.3083,
0.4677

 1.3567, 0.0000,
1.0000

 104.3722, 0.3097,
0.4547

 0.1845, 0.0000,
1.0000

 133.3082, 0.3107,
0.4438

 0.0000, 0.0000,
0.0000

 167.1518, 0.3115,

0.4346

206.2871, 0.3120,
0.4268

■ 19.8494, 0.2920,
0.5628

■ 19.8494, 0.2920,
0.5628

■ 19.7386, 0.2932,
0.5754

■ 20.0687, 0.2904,
0.5412

■ 20.4037, 0.2901,
0.5156

■ 20.8693, 0.2910,
0.4875

■ 21.4777, 0.2930,
0.4584

■ 22.2396, 0.2959,
0.4298

■ 23.1647, 0.2995,
0.4026

■ 24.2619, 0.3034,
0.3775

■ 25.5392, 0.3074,
0.3547

■ 27.0046, 0.3115,
0.3344

Harmonies

Analogous

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



19.8494, 0.4020, 0.5468



19.8494, 0.2920, 0.5628



19.8494, 0.1924, 0.4513

Triad

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



19.8494, 0.2920, 0.5628



19.8494, 0.1357, 0.1617



19.8494, 0.5294, 0.3042

Complementary

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



19.8494, 0.2920, 0.5628



7.3008, 0.3753, 0.1884

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.



19.8494, 0.4213, 0.2356



19.8494, 0.2920, 0.5628



19.8494, 0.1903, 0.1581

Square

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



19.8494, 0.2920, 0.5628



19.8494, 0.1170, 0.2022



19.8494, 0.2890, 0.1838



19.8494, 0.5533, 0.3803

Rectangle

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



19.8494, 0.2920, 0.5628



19.8494, 0.1474, 0.3454



19.8494, 0.2890, 0.1838



19.8494, 0.5009, 0.2803

Sweetspot

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



19.8502, 0.2920, 0.5628



42.2946, 0.3011, 0.3914



23.4095, 0.3855, 0.5266



9.5303, 0.2996, 0.4015



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.



19.8502, 0.2920, 0.5628



35.3277, 0.2940, 0.5784



20.6924, 0.2516, 0.4197



6.0467, 0.3090, 0.3469



17.4553, 0.2930, 0.5747



0.1696, 0.2738, 0.5057

Inverse Universe

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



7.3008, 0.3753, 0.1884



12.5684, 0.3823, 0.1880



6.2899, 0.5485, 0.2872



5.4919, 0.3167, 0.3118



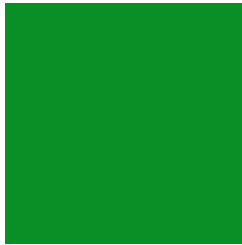
6.2210, 0.3805, 0.1870



0.0626, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 19.8494, 0.2920, 0.5628 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 19.8494, 0.2920, 0.5628 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 19.8494, 0.2920, 0.5628

Background



This preview shows how black text looks on a background with the Yxy color 19.8494, 0.2920, 0.5628.



This preview shows how white text looks on a background with the Yxy color 19.8494, 0.2920, 0.5628.

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

19.8494, 0.2920, 0.5628

Protanopia

19.5941, 0.4253, 0.4715

Deuteranopia

19.3796, 0.4423, 0.4345



Tritanopia

19.7185, 0.2367, 0.3065

Trichromacy



Original Color

19.8494, 0.2920, 0.5628



Protanomaly

18.3108, 0.3562, 0.5177



Deuteranomaly

17.8129, 0.3647, 0.4933



Tritanomaly

19.3827, 0.2572, 0.4018

Monochromacy



Original Color

19.8494, 0.2920, 0.5628



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.6439, 0.2961, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8494, 0.2920, 0.5628 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(10, 143, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 143, 38) }
```

Border

The CSS property to change the border of an element to Yxy 19.8494, 0.2920, 0.5628 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, 38) }
```

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

```
.border{ border-color:rgb(10, 143, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 143, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 143, 38);  
box-shadow:4px 4px 4px 4px rgb(10, 143,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8494, 0.2920, 0.5628 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, 38) }
```

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

```
.background{ background-color: rgb(10, 143,  
38) }
```

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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