

Converting Colors

$Y_{xy}(19.3124, 0.3152, 0.5880)$

Have a look what the booklet for
Yxy(19.3124, 0.3152, 0.5880)
contains.

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Color

Yxy(19.2484, 0.3155, 0.5877)

Conversions

Conversions Part 1

Format	Color
Hex	2A8C00
RGB	42, 140, 0
RGB Percent	16%, 55%, 0%
CMY	0.8352, 0.4510, 1.0000
CMYK	0.70, 0.00, 1.00, 0.45
HSL	102°, 100%, 27%
HSV	102°, 100%, 55%
XYZ	10.3333, 19.2484, 3.1704
YIQ	94.7380, -13.4680, -64.3160

Conversions

Conversions Part 2

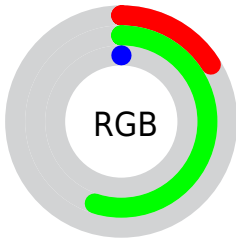
Format	Color
RYB	0, 140, 98
Decimal	2788352
CIELab	50.98, -50.06, 53.95
CIELCh	51, 73.593, 132.857
Yxy	19.2484, 0.3155, 0.5877
Android (android.graphics.Color)	4280978432 (0xFF2A8C00)
YUV	94.7380, -46.7058, -46.2512
Hunter-Lab	43.8730, -34.7361, 26.4266

Details

The Yxy color **19.2484, 0.3155, 0.5877** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.4896, 0.2478, 0.1139**, and the grayscale version is **11.4952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3190, 0.3243, 0.5254**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2492, 0.3155, 0.5877**, and if you desaturate by 10%, it is **19.5135, 0.3197, 0.5741**.

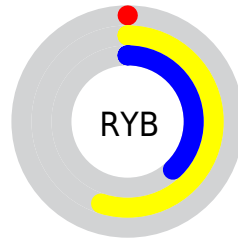
Distribution



Red (16%)

Green (55%)

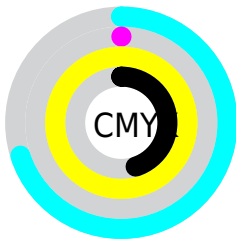
Blue (0%)



Red (0%)

Yellow (55%)

Blue (38%)

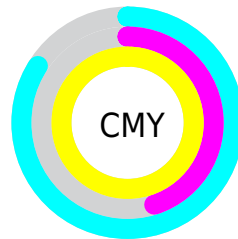


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (84%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2484, 0.3155, 0.5877 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 19.2484, 0.3155, 0.5877 by changing the saturation by 10% instead.


 19.2484, 0.3155,
0.5877


 19.2484, 0.3155,
0.5877


247.8167, 0.3262,
0.4322


 11.8499, 0.3037,
0.6331


 42.1534, 0.3247,
0.5252


 6.6416, 0.2885,
0.7115


 58.4287, 0.3263,
0.5034


 3.2390, 0.2347,
0.7653

 78.4318, 0.3270,
0.4857

 1.2577, 0.0000,
1.0000

 102.5469, 0.3272,
0.4711

 0.1081, 0.0000,
1.0000


 131.1586, 0.3272,
0.4590


 0.0000, 0.0000,
0.0000


 164.6512, 0.3269,


0.4487

 203.4091, 0.3266,
0.4399


 19.2484, 0.3155,
0.5877

 19.2484, 0.3155,
0.5877


 19.2492, 0.3155,
0.5877

 19.5135, 0.3197,
0.5741

 19.8521, 0.3233,
0.5557

 20.2790, 0.3257,
0.5315

 20.8008, 0.3266,
0.5031

 21.4234, 0.3262,
0.4722

■ 22.1523, 0.3247,
0.4406

■ 22.9925, 0.3223,
0.4097

■ 23.9486, 0.3194,
0.3805

■ 25.0250, 0.3161,
0.3535

Harmonies

Analogous

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



19.2484, 0.4296, 0.5385



19.2484, 0.3155, 0.5877



19.2484, 0.2062, 0.5013

Triad

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



19.2484, 0.3155, 0.5877



19.2484, 0.1196, 0.1591



19.2484, 0.5228, 0.2826

Complementary

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



19.2484, 0.3155, 0.5877



4.4896, 0.2478, 0.1139

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.



19.2484, 0.3929, 0.2149



19.2484, 0.3155, 0.5877



19.2484, 0.1659, 0.1479

Square

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



19.2484, 0.3155, 0.5877



19.2484, 0.1083, 0.2119



19.2484, 0.2570, 0.1674



19.2484, 0.5702, 0.3588

Rectangle

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



19.2484, 0.3155, 0.5877



19.2484, 0.1520, 0.3862



19.2484, 0.2570, 0.1674



19.2484, 0.4856, 0.2587

Sweetspot

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



19.2492, 0.3155, 0.5877



40.4362, 0.3225, 0.4116



13.8809, 0.4869, 0.4516



9.1860, 0.3234, 0.4230



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.



19.2492, 0.3155, 0.5877



33.8615, 0.3142, 0.5887



18.8298, 0.2944, 0.5797



5.6763, 0.3158, 0.3513



17.1127, 0.3158, 0.5874



0.1206, 0.3475, 0.5623

Inverse Universe

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



4.4896, 0.2478, 0.1139



7.8287, 0.2463, 0.1131



6.7982, 0.3722, 0.1824



5.0549, 0.3093, 0.3071



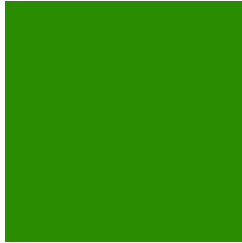
3.9996, 0.2482, 0.1141



0.0342, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 19.2484, 0.3155, 0.5877 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 19.2484, 0.3155, 0.5877 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 19.2484, 0.3155, 0.5877

Background



This preview shows how black text looks on a background with the Yxy color 19.2484, 0.3155, 0.5877.



This preview shows how white text looks on a background with the Yxy color 19.2484, 0.3155, 0.5877.

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

19.2484, 0.3155, 0.5877

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

19.0306, 0.4574, 0.4507



Tritanopia

19.1904, 0.2447, 0.3065

Trichromacy



Original Color

19.2484, 0.3155, 0.5877

Protanomaly

18.2631, 0.3849, 0.5326

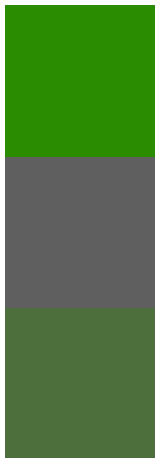
Deuteranomaly

17.9071, 0.3974, 0.5080

Tritanomaly

18.7490, 0.2804, 0.4297

Monochromacy



Original Color

19.2484, 0.3155, 0.5877

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.2316, 0.3264, 0.4556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2484, 0.3155, 0.5877 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(42, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 140, 0)  
}
```

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(42, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.2484, 0.3155, 0.5877 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(42, 140, 0) }
```

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

```
.border{ border-color:rgb(42, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2484, 0.3155, 0.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 140, 0) }
```

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

```
.background{ background-color: rgb(42, 140,  
0) }
```

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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