

Converting Colors

$Y_{xy}(19.7870, 0.3159, 0.5873)$

Have a look what the booklet for
Yxy(19.7870, 0.3159, 0.5873)
contains.

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Color

Yxy(19.8596, 0.3157, 0.5876)

Conversions

Conversions Part 1

Format	Color
Hex	2B8E00
RGB	43, 142, 0
RGB Percent	17%, 56%, 0%
CMY	0.8312, 0.4431, 1.0000
CMYK	0.70, 0.00, 1.00, 0.44
HSL	102°, 100%, 28%
HSV	102°, 100%, 56%
XYZ	10.6700, 19.8596, 3.2682
YIQ	96.2110, -13.4220, -65.1500

Conversions

Conversions Part 2

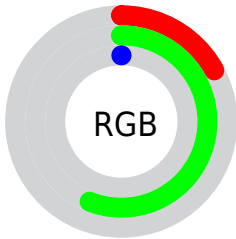
Format	Color
RYB	0, 142, 99
Decimal	2854400
CIELab	51.68, -50.52, 54.53
CIELCh	52, 74.333, 132.811
Yxy	19.8596, 0.3157, 0.5876
Android (android.graphics.Color)	4281044480 (0xFF2B8E00)
YUV	96.2110, -47.4320, -46.6660
Hunter-Lab	44.5641, -35.2490, 26.8467

Details

The Yxy color **19.8596, 0.3157, 0.5876** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.6037, 0.2470, 0.1134**, and the grayscale version is **11.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2808, 0.3246, 0.5264**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.8606, 0.3157, 0.5875**, and if you desaturate by 10%, it is **20.1336, 0.3199, 0.5741**.

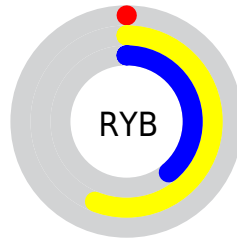
Distribution



Red (17%)

Green (56%)

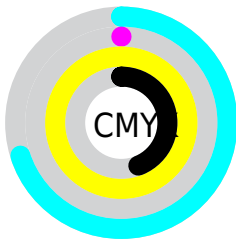
Blue (0%)



Red (0%)

Yellow (56%)

Blue (39%)

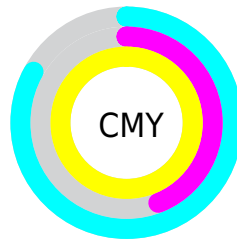


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (83%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8596, 0.3157, 0.5876 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 19.8596, 0.3157, 0.5876 by changing the saturation by 10% instead.


 19.8596, 0.3157,
0.5876


 19.8596, 0.3157,
0.5876


251.1540, 0.3263,
0.4329


 12.2930, 0.3041,
0.6324


 43.1817, 0.3248,
0.5256


 6.9436, 0.2895,
0.7099


 59.7060, 0.3264,
0.5039

 3.4268, 0.2371,
0.7629

 79.9849, 0.3271,
0.4863

 1.3584, 0.0000,
1.0000

 104.4030, 0.3273,
0.4718

 0.1858, 0.0000,
1.0000

 133.3445, 0.3273,
0.4596


 0.0000, 0.0000,
0.0000


 167.1940, 0.3270,


0.4493


 206.3357, 0.3267,
0.4405


 19.8596, 0.3157,
0.5876


 19.8596, 0.3157,
0.5876


 19.8606, 0.3157,
0.5875

 20.1336, 0.3199,
0.5741

 20.4832, 0.3236,
0.5557

 20.9235, 0.3259,
0.5316

 21.4615, 0.3268,
0.5031

 22.1033, 0.3264,
0.4723

■ 22.8544, 0.3249,
0.4407

■ 23.7200, 0.3225,
0.4098

■ 24.7048, 0.3195,
0.3805

■ 25.8135, 0.3162,
0.3535

Harmonies

Analogous

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



19.8596, 0.4298, 0.5384



19.8596, 0.3157, 0.5876



19.8596, 0.2064, 0.5015

Triad

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



19.8596, 0.3157, 0.5876



19.8596, 0.1196, 0.1591



19.8596, 0.5226, 0.2826

Complementary

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



19.8596, 0.3157, 0.5876



4.6037, 0.2470, 0.1134

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.



19.8596, 0.3926, 0.2149



19.8596, 0.3157, 0.5876



19.8596, 0.1658, 0.1479

Square

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



19.8596, 0.3157, 0.5876



19.8596, 0.1084, 0.2121



19.8596, 0.2569, 0.1674



19.8596, 0.5701, 0.3587

Rectangle

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



19.8596, 0.3157, 0.5876



19.8596, 0.1522, 0.3864



19.8596, 0.2569, 0.1674



19.8596, 0.4853, 0.2586

Sweetspot

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



19.8606, 0.3157, 0.5875



41.7264, 0.3226, 0.4117



14.3065, 0.4870, 0.4515



9.1896, 0.3236, 0.4229



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.



19.8606, 0.3157, 0.5875



34.9455, 0.3144, 0.5886



19.4210, 0.2944, 0.5799



6.1037, 0.3159, 0.3514



17.8404, 0.3160, 0.5873



0.1810, 0.3479, 0.5620

Inverse Universe

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



4.6037, 0.2470, 0.1134



8.0298, 0.2456, 0.1126



7.0111, 0.3723, 0.1824



5.4301, 0.3092, 0.3070



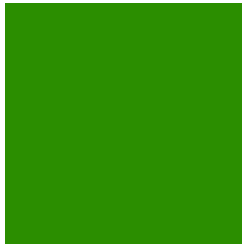
4.1433, 0.2474, 0.1136



0.0512, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 19.8596, 0.3157, 0.5876 looks on a white background.

Color Contrast Check

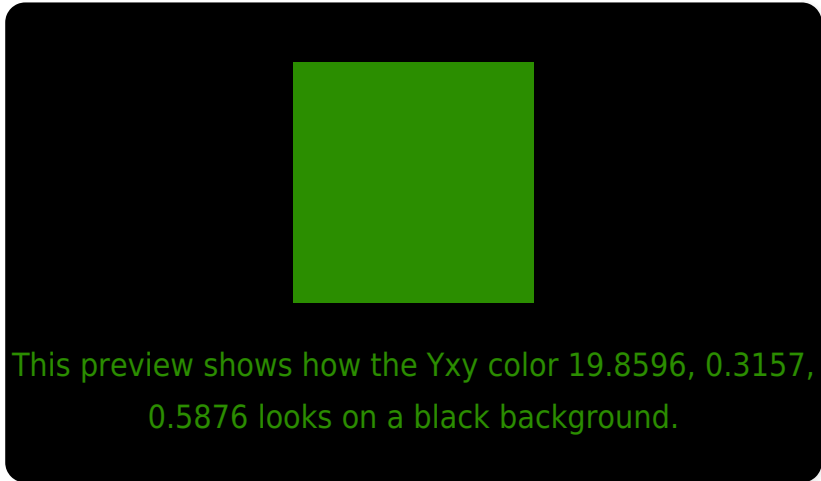
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

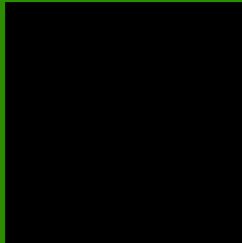
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8596, 0.3157, 0.5876

Background



This preview shows how black text looks on a background with the Yxy color 19.8596, 0.3157, 0.5876.



This preview shows how white text looks on a background with the Yxy color 19.8596, 0.3157, 0.5876.

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

19.8596, 0.3157, 0.5876

Protanopia

19.5692, 0.4393, 0.4894

Deuteranopia

19.4545, 0.4585, 0.4503



Tritanopia

19.8253, 0.2447, 0.3068

Trichromacy



Original Color

19.8596, 0.3157, 0.5876

Protanomaly

18.8488, 0.3841, 0.5332

Deuteranomaly

18.2917, 0.3990, 0.5071

Tritanomaly

19.3557, 0.2807, 0.4307

Monochromacy



Original Color

19.8596, 0.3157, 0.5876

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.7250, 0.3261, 0.4563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8596, 0.3157, 0.5876 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(43, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 142, 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(43, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8596, 0.3157, 0.5876 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(43, 142, 0) }
```

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

```
.border{ border-color:rgb(43, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8596, 0.3157, 0.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 142, 0) }
```

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

```
.background{ background-color: rgb(43, 142,  
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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