

Converting Colors

$Y_{xy}(18.5257, 0.2730, 0.6197)$

Have a look what the booklet for
Yxy(18.5257, 0.2730, 0.6197)
contains.

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Color

Yxy(19.3504, 0.2997, 0.5988)

Conversions

Conversions Part 1

Format	Color
Hex	008E02
RGB	0, 142, 2
RGB Percent	0%, 56%, 1%
CMY	0.9995, 0.4431, 0.9924
CMYK	1.00, 0.00, 0.99, 0.44
HSL	121°, 100%, 28%
HSV	121°, 100%, 56%
XYZ	9.6849, 19.3504, 3.2800
YIQ	83.5820, -39.6920, -73.6440

Conversions

Conversions Part 2

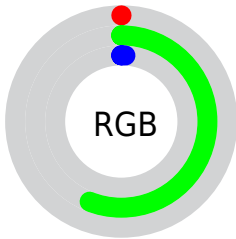
Format	Color
RYB	0, 140, 142
Decimal	36354
CIELab	51.09, -55.66, 53.45
CIELCh	51, 77.171, 136.162
Yxy	19.3504, 0.2997, 0.5988
Android (android.graphics.Color)	4278226434 (0xFF008E02)
YUV	83.5820, -40.2199, -73.3014
Hunter-Lab	43.9891, -37.6813, 26.3715

Details

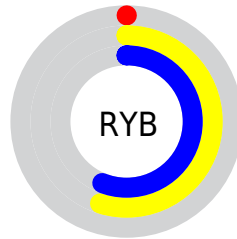
The Yxy color **19.3504, 0.2997, 0.5988** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.6528, 0.3240, 0.1559**, and the grayscale version is **8.8728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3283, 0.3125, 0.5324**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.3501, 0.2997, 0.5989**, and if you desaturate by 10%, it is **19.4794, 0.3002, 0.5875**.

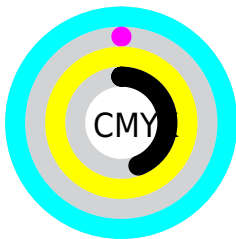
Distribution



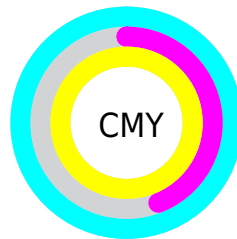
- Red (0%)
- Green (56%)
- Blue (1%)



- Red (0%)
- Yellow (55%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3504, 0.2997, 0.5988 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 19.3504, 0.2997, 0.5988 by changing the saturation by 10% instead.


 19.3504, 0.2997,
0.5988


 19.3504, 0.2997,
0.5988


248.3764, 0.3198,
0.4352


 11.9237, 0.2852,
0.6475


 42.3254, 0.3127,
0.5324

 6.6918, 0.2662,
0.7326


 58.6424, 0.3156,
0.5095

 3.2701, 0.2084,
0.7916

 78.6918, 0.3173,
0.4909

 1.2743, 0.0000,
1.0000

 102.8578, 0.3184,
0.4757


 0.1212, 0.0000,
1.0000


 131.5249, 0.3191,
0.4630

 0.0000, 0.0000,
0.0000


 165.0774, 0.3195,


0.4523


 203.8998, 0.3197,
0.4431


 19.3504, 0.2997,
0.5988


 19.3504, 0.2997,
0.5988


 19.3501, 0.2997,
0.5989

 19.4794, 0.3002,
0.5875

 19.6942, 0.3008,
0.5696

 20.0358, 0.3019,
0.5443

 20.5196, 0.3033,
0.5134

 21.1591, 0.3049,
0.4795

■ 21.9658, 0.3066,
0.4451

■ 22.9504, 0.3083,
0.4118

■ 24.1226, 0.3099,
0.3810

■ 25.4916, 0.3114,
0.3533

Harmonies

Analogous

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



19.3504, 0.4179, 0.5542



19.3504, 0.2997, 0.5988



19.3504, 0.1901, 0.4919

Triad

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



19.3504, 0.2997, 0.5988



19.3504, 0.1173, 0.1504



19.3504, 0.5427, 0.2880

Complementary

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



19.3504, 0.2997, 0.5988



7.6528, 0.3240, 0.1559

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.



19.3504, 0.4129, 0.2176



19.3504, 0.2997, 0.5988



19.3504, 0.1686, 0.1431

Square

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



19.3504, 0.2997, 0.5988



19.3504, 0.1019, 0.1979



19.3504, 0.2680, 0.1663



19.3504, 0.5785, 0.3659

Rectangle

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



19.3504, 0.2997, 0.5988



19.3504, 0.1387, 0.3681



19.3504, 0.2680, 0.1663



19.3504, 0.5071, 0.2634

Sweetspot

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



19.3512, 0.2997, 0.5988



40.3355, 0.3082, 0.4141



25.0972, 0.4193, 0.5052



8.8595, 0.3075, 0.4262



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.



19.3512, 0.2997, 0.5988



34.1202, 0.2998, 0.5992



19.8027, 0.2714, 0.4970



6.0304, 0.3115, 0.3514



17.3736, 0.2997, 0.5988



0.1663, 0.2981, 0.5931

Inverse Universe

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



7.6528, 0.3240, 0.1559



13.4879, 0.3241, 0.1559



6.2095, 0.4913, 0.2481



5.5099, 0.3139, 0.3076



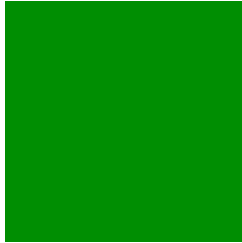
6.8686, 0.3240, 0.1559



0.0659, 0.3224, 0.1549

Previews

White Background



This preview shows how the Yxy color 19.3504, 0.2997, 0.5988 looks on a white background.

Color Contrast Check

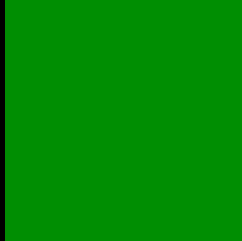
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3504, 0.2997, 0.5988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

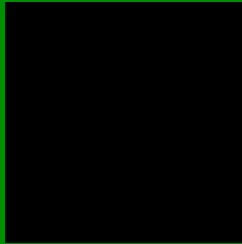
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3504, 0.2997, 0.5988

Background



This preview shows how black text looks on a background with the Yxy color 19.3504, 0.2997, 0.5988.



This preview shows how white text looks on a background with the Yxy color 19.3504, 0.2997, 0.5988.

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

19.3504, 0.2997, 0.5988

Protanopia

19.2374, 0.4394, 0.4893

Deuteranopia

19.0358, 0.4567, 0.4499



Tritanopia

19.4464, 0.2375, 0.3064

Trichromacy



Original Color

19.3504, 0.2997, 0.5988

Protanomaly

17.7289, 0.3644, 0.5481

Deuteranomaly

17.2591, 0.3756, 0.5232

Tritanomaly

18.7931, 0.2653, 0.4323

Monochromacy



Original Color

19.3504, 0.2997, 0.5988

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

11.1538, 0.3060, 0.4715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3504, 0.2997, 0.5988 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(0, 142, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 2)  
}
```

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(0, 142, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 19.3504, 0.2997, 0.5988 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(0, 142, 2) }
```

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

```
.border{ border-color:rgb(0, 142, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 142, 2); box-shadow:4px  
4px 4px 4px rgb(0, 142, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3504, 0.2997, 0.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 2) }
```

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

```
.background{ background-color: rgb(0, 142,  
2) }
```

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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