

Converting Colors

$Yxy(21.0143, 0.3018, 0.5986)$

Have a look what the booklet for
Yxy(21.0143, 0.3018, 0.5986)
contains.

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Color

Yxy(20.9255, 0.3017, 0.5986)

Conversions

Conversions Part 1

Format	Color
Hex	099300
RGB	9, 147, 0
RGB Percent	4%, 58%, 0%
CMY	0.9647, 0.4235, 0.9997
CMYK	0.94, 0.00, 1.00, 0.42
HSL	116°, 100%, 29%
HSV	116°, 100%, 58%
XYZ	10.5466, 20.9255, 3.4853
YIQ	88.9800, -35.0610, -74.9730

Conversions

Conversions Part 2

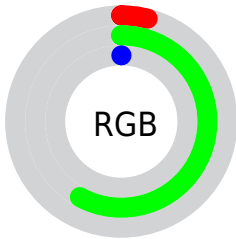
Format	Color
RYB	0, 147, 138
Decimal	627456
CIELab	52.87, -56.58, 55.24
CIELCh	53, 79.069, 135.687
Yxy	20.9255, 0.3017, 0.5986
Android (android.graphics.Color)	4278817536 (0xFF099300)
YUV	88.9800, -43.8671, -70.1425
Hunter-Lab	45.7444, -38.8984, 27.5038

Details

The Yxy color **20.9255, 0.3017, 0.5986** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.5195, 0.3060, 0.1460**, and the grayscale version is **10.0924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8321, 0.3143, 0.5341**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.9257, 0.3017, 0.5987**, and if you desaturate by 10%, it is **21.0819, 0.3028, 0.5874**.

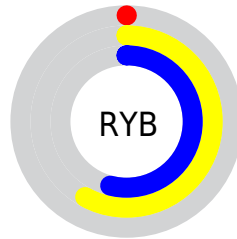
Distribution



Red (4%)

Green (58%)

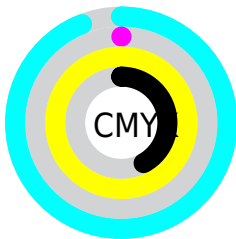
Blue (0%)



Red (0%)

Yellow (58%)

Blue (54%)

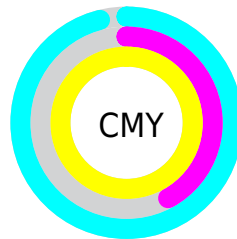


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (96%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9255, 0.3017, 0.5986 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 20.9255, 0.3017, 0.5986 by changing the saturation by 10% instead.


 20.9255, 0.3017,
0.5986


 20.9255, 0.3017,
0.5986

256.8823, 0.3207,
0.4371


 13.0696, 0.2879,
0.6456


 44.9635, 0.3141,
0.5338

 7.4765, 0.2685,
0.7219


 61.9144, 0.3169,
0.5112


 3.7618, 0.2164,
0.7836

 82.6657, 0.3186,
0.4928

 1.5412, 0.0000,
1.0000

 107.6018, 0.3196,
0.4777


 0.3175, 0.0000,
1.0000


 137.1071, 0.3202,
0.4650


 0.0000, 0.0000,
0.0000


 171.5660, 0.3205,


0.4543


 211.3630, 0.3207,
0.4451

 20.9255, 0.3017,
0.5986


 20.9255, 0.3017,
0.5986


 20.9257, 0.3017,
0.5987

 21.0819, 0.3028,
0.5874

 21.3455, 0.3045,
0.5697

 21.7403, 0.3063,
0.5446

 22.2804, 0.3080,
0.5140

 22.9783, 0.3094,
0.4803

■ 23.8449, 0.3105,
0.4459

■ 24.8902, 0.3114,
0.4127

■ 26.1236, 0.3121,
0.3817

■ 27.5535, 0.3125,
0.3537

Harmonies

Analogous

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



20.9255, 0.4197, 0.5525



20.9255, 0.3017, 0.5986



20.9255, 0.1919, 0.4943

Triad

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



20.9255, 0.3017, 0.5986



20.9255, 0.1170, 0.1510



20.9255, 0.5409, 0.2869

Complementary

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



20.9255, 0.3017, 0.5986



7.5195, 0.3060, 0.1460

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.



20.9255, 0.4103, 0.2168



20.9255, 0.3017, 0.5986



20.9255, 0.1677, 0.1432

Square

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



20.9255, 0.3017, 0.5986



20.9255, 0.1021, 0.1993



20.9255, 0.2661, 0.1659



20.9255, 0.5783, 0.3647

Rectangle

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



20.9255, 0.3017, 0.5986



20.9255, 0.1399, 0.3709



20.9255, 0.2661, 0.1659



20.9255, 0.5049, 0.2624

Sweetspot

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



20.9264, 0.3017, 0.5986



44.4369, 0.3114, 0.4148



24.1539, 0.4312, 0.4958



9.9733, 0.3111, 0.4274



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.9264, 0.3017, 0.5986



37.4461, 0.3012, 0.5990



21.2360, 0.2776, 0.5192



6.4842, 0.3125, 0.3518



18.1449, 0.3018, 0.5985



0.2254, 0.3108, 0.5914

Inverse Universe

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



7.5195, 0.3060, 0.1460



13.4339, 0.3057, 0.1458



6.8348, 0.4645, 0.2333



5.8915, 0.3128, 0.3071



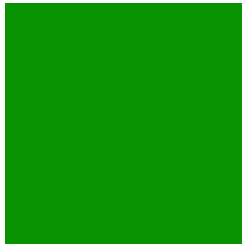
6.5207, 0.3061, 0.1460



0.0842, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 20.9255, 0.3017, 0.5986 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 20.9255, 0.3017, 0.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

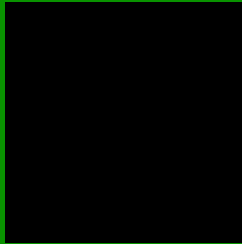
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9255, 0.3017, 0.5986

Background



This preview shows how black text looks on a background with the Yxy color 20.9255, 0.3017, 0.5986.



This preview shows how white text looks on a background with the Yxy color 20.9255, 0.3017, 0.5986.

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

20.9255, 0.3017, 0.5986

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.5670, 0.4580, 0.4495



Tritanopia

21.0536, 0.2374, 0.3071

Trichromacy



Original Color

20.9255, 0.3017, 0.5986



Protanomaly

19.4299, 0.3688, 0.5453



Deuteranomaly

18.6941, 0.3809, 0.5203



Tritanomaly

20.3715, 0.2681, 0.4355

Monochromacy



Original Color

20.9255, 0.3017, 0.5986



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.4079, 0.3095, 0.4696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9255, 0.3017, 0.5986 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(9, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 147, 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(9, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9255, 0.3017, 0.5986 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(9, 147, 0) }
```

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

```
.border{ border-color:rgb(9, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 147, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 147, 0); box-shadow:4px  
4px 4px 4px rgb(9, 147, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9255, 0.3017, 0.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 147, 0) }
```

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

```
.background{ background-color: rgb(9, 147,  
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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