

Converting Colors

$Y_{xy}(20.6791, 0.2945, 0.5943)$

Have a look what the booklet for
Yxy(20.6791, 0.2945, 0.5943)
contains.

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Color

Yxy(20.8991, 0.2978, 0.5919)

Conversions

Conversions Part 1

Format	Color
Hex	00930E
RGB	0, 147, 14
RGB Percent	0%, 58%, 5%
CMY	0.9991, 0.4235, 0.9451
CMYK	1.00, 0.00, 0.90, 0.42
HSL	126°, 100%, 29%
HSV	126°, 100%, 58%
XYZ	10.5149, 20.8991, 3.8945
YIQ	87.8850, -44.9190, -72.5270

Conversions

Conversions Part 2

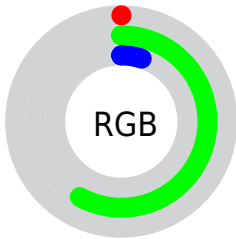
Format	Color
RYB	0, 134, 147
Decimal	37646
CIELab	52.84, -56.69, 52.79
CIELCh	53, 77.466, 137.041
Yxy	20.8991, 0.2978, 0.5919
Android (android.graphics.Color)	4278227726 (0xFF00930E)
YUV	87.8850, -36.4253, -77.0751
Hunter-Lab	45.7155, -38.9460, 26.9499

Details

The Yxy color **20.8991, 0.2978, 0.5919** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.9073, 0.3455, 0.1678**, and the grayscale version is **9.8353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7617, 0.3101, 0.5280**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.8980, 0.2978, 0.5921**, and if you desaturate by 10%, it is **21.0483, 0.2973, 0.5778**.

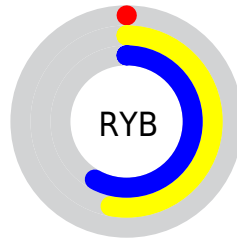
Distribution



Red (0%)

Green (58%)

Blue (5%)



Red (0%)

Yellow (53%)

Blue (58%)

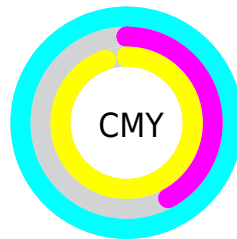


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (42%)



Cyan (100%)


Magenta (42%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8991, 0.2978, 0.5919 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 20.8991, 0.2978, 0.5919 by changing the saturation by 10% instead.


 20.8991, 0.2978,
0.5919


 20.8991, 0.2978,
0.5919


256.7418, 0.3180,
0.4336

 13.0503, 0.2843,
0.6390


 44.9195, 0.3103,
0.5279

 7.4632, 0.2636,
0.7109


 61.8600, 0.3132,
0.5057

 3.7534, 0.2156,
0.7844

 82.5997, 0.3150,
0.4878

 1.5366, 0.0000,
1.0000

 107.5231, 0.3162,
0.4730

 0.3143, 0.0000,
1.0000


 137.0146, 0.3170,
0.4607

 0.0000, 0.0000,
0.0000


 171.4587, 0.3175,


0.4503

 211.2396, 0.3178,
0.4414


 20.8991, 0.2978,
0.5919


 20.8991, 0.2978,
0.5919


 20.8980, 0.2978,
0.5921

 21.0483, 0.2973,
0.5778

 21.2947, 0.2970,
0.5571

 21.6753, 0.2974,
0.5306

 22.2057, 0.2986,
0.5001

 22.8995, 0.3004,
0.4678

■ 23.7685, 0.3026,
0.4356

■ 24.8238, 0.3051,
0.4049

■ 26.0751, 0.3077,
0.3766

■ 27.5318, 0.3103,
0.3512

Harmonies

Analogous

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



20.8991, 0.4144, 0.5536



20.8991, 0.2978, 0.5919



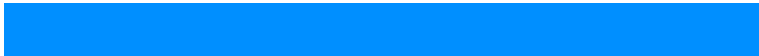
20.8991, 0.1902, 0.4828

Triad

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



20.8991, 0.2978, 0.5919



20.8991, 0.1209, 0.1524



20.8991, 0.5406, 0.2915

Complementary

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



20.8991, 0.2978, 0.5919



7.9073, 0.3455, 0.1678

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.



20.8991, 0.4154, 0.2214



20.8991, 0.2978, 0.5919



20.8991, 0.1731, 0.1460

Square

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



20.8991, 0.2978, 0.5919



20.8991, 0.1048, 0.1984



20.8991, 0.2727, 0.1698



20.8991, 0.5735, 0.3692

Rectangle

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



20.8991, 0.2978, 0.5919



20.8991, 0.1401, 0.3626



20.8991, 0.2727, 0.1698



20.8991, 0.5066, 0.2670

Sweetspot

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



20.9000, 0.2978, 0.5919



44.3005, 0.3049, 0.4072



25.9989, 0.4050, 0.5165



9.9406, 0.3039, 0.4187



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.



20.9000, 0.2978, 0.5919



37.4142, 0.2983, 0.5938



21.5376, 0.2636, 0.4689



6.4768, 0.3104, 0.3496



18.1198, 0.2976, 0.5915



0.2235, 0.2870, 0.5533

Inverse Universe

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



7.9073, 0.3455, 0.1678



14.1377, 0.3461, 0.1680



6.5486, 0.5262, 0.2674



5.8999, 0.3151, 0.3092



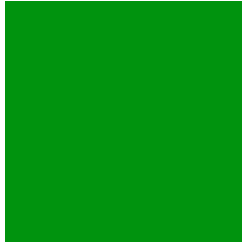
6.8527, 0.3454, 0.1676



0.0861, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 20.8991, 0.2978, 0.5919 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 20.8991, 0.2978, 0.5919 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 20.8991, 0.2978, 0.5919

Background



This preview shows how black text looks on a background with the Yxy color 20.8991, 0.2978, 0.5919.



This preview shows how white text looks on a background with the Yxy color 20.8991, 0.2978, 0.5919.

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

20.8991, 0.2978, 0.5919

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.5782, 0.4568, 0.4479



Tritanopia

21.0536, 0.2374, 0.3071

Trichromacy



Original Color

20.8991, 0.2978, 0.5919



Protanomaly

19.2348, 0.3629, 0.5466



Deuteranomaly

18.5463, 0.3740, 0.5170



Tritanomaly

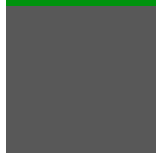
20.4017, 0.2629, 0.4239

Monochromacy



Original Color

20.8991, 0.2978, 0.5919



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

12.1150, 0.3009, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8991, 0.2978, 0.5919 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, 147, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 14)  
}
```

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, 147, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 14) }
```

Border

The CSS property to change the border of an element to Yxy 20.8991, 0.2978, 0.5919 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, 147, 14) }
```

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

```
.border{ border-color:rgb(0, 147, 14) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8991, 0.2978, 0.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 14) }
```

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

```
.background{ background-color: rgb(0, 147,  
14) }
```

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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