

Converting Colors

$Yxy(24.5314, 0.3011, 0.5991)$

Have a look what the booklet for
Yxy(24.5314, 0.3011, 0.5991)
contains.

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Color

Yxy(24.4989, 0.3011, 0.5991)

Conversions

Conversions Part 1

Format	Color
Hex	079E00
RGB	7, 158, 0
RGB Percent	3%, 62%, 0%
CMY	0.9733, 0.3804, 0.9998
CMYK	0.96, 0.00, 1.00, 0.38
HSL	117°, 100%, 31%
HSV	117°, 100%, 62%
XYZ	12.3128, 24.4989, 4.0811
YIQ	94.8390, -39.2780, -81.1500

Conversions

Conversions Part 2

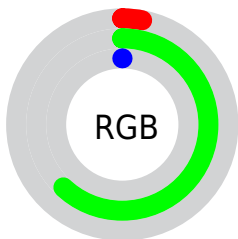
Format	Color
RYB	0, 158, 151
Decimal	499200
CIELab	56.58, -59.87, 58.21
CIELCh	57, 83.503, 135.803
Yxy	24.4989, 0.3011, 0.5991
Android (android.graphics.Color)	4278689280 (0xFF079E00)
YUV	94.8390, -46.7556, -77.0348
Hunter-Lab	49.4964, -42.2145, 29.7588

Details

The Yxy color **24.4989, 0.3011, 0.5991** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.0747, 0.3104, 0.1484**, and the grayscale version is **11.5118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8752, 0.3133, 0.5367**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.4994, 0.3011, 0.5991**, and if you desaturate by 10%, it is **24.6626, 0.3020, 0.5887**.

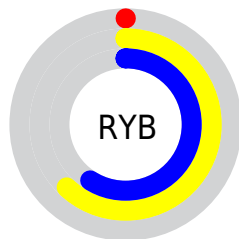
Distribution



Red (3%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (59%)

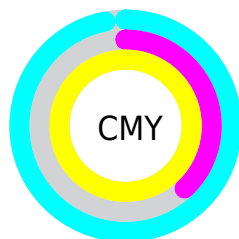


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (97%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4989, 0.3011, 0.5991 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 24.4989, 0.3011, 0.5991 by changing the saturation by 10% instead.


 24.4989, 0.3011,
0.5991


 24.4989, 0.3011,
0.5991


275.3331, 0.3205,
0.4408


 15.7041, 0.2881,
0.6435


 50.8431, 0.3133,
0.5368


 9.3150, 0.2676,
0.7066


 69.1613, 0.3162,
0.5146


 4.9472, 0.2253,
0.7747

 91.4228, 0.3179,
0.4965

 2.2163, 0.1134,
0.8866

 118.0120, 0.3191,
0.4815

 0.7289, 0.0000,
1.0000


 149.3132, 0.3197,
0.4689


 0.0000, 0.0000,
0.0000


 185.7109, 0.3202,

0.4581


 227.5894, 0.3204,
0.4488

 24.4989, 0.3011,
0.5991


 24.4989, 0.3011,
0.5991


 24.4994, 0.3011,
0.5991

 24.6626, 0.3020,
0.5887

 24.9526, 0.3034,
0.5715

 25.3997, 0.3051,
0.5466

 26.0218, 0.3067,
0.5159

 26.8346, 0.3082,
0.4820

■ 27.8518, 0.3095,
0.4472

■ 29.0860, 0.3106,
0.4135

■ 30.5487, 0.3115,
0.3822

■ 32.2508, 0.3122,
0.3539

Harmonies

Analogous

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



24.4989, 0.4192, 0.5531



24.4989, 0.3011, 0.5991



24.4989, 0.1912, 0.4940

Triad

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



24.4989, 0.3011, 0.5991



24.4989, 0.1168, 0.1506



24.4989, 0.5417, 0.2871

Complementary

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



24.4989, 0.3011, 0.5991



9.0747, 0.3104, 0.1484

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.



24.4989, 0.4111, 0.2169



24.4989, 0.3011, 0.5991



24.4989, 0.1677, 0.1430

Square

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



24.4989, 0.3011, 0.5991



24.4989, 0.1019, 0.1988



24.4989, 0.2664, 0.1658



24.4989, 0.5787, 0.3649

Rectangle

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



24.4989, 0.3011, 0.5991



24.4989, 0.1394, 0.3702



24.4989, 0.2664, 0.1658



24.4989, 0.5057, 0.2625

Sweetspot

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



24.4999, 0.3011, 0.5991



52.6638, 0.3106, 0.4156



29.1174, 0.4282, 0.4982



11.6636, 0.3101, 0.4288



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.4999, 0.3011, 0.5991



44.4648, 0.3008, 0.5994



24.9130, 0.2764, 0.5150



7.4139, 0.3122, 0.3520



19.6243, 0.3012, 0.5990



0.3544, 0.3073, 0.5942

Inverse Universe

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



9.0747, 0.3104, 0.1484



16.4525, 0.3102, 0.1482



7.9580, 0.4725, 0.2377



6.7401, 0.3131, 0.3069



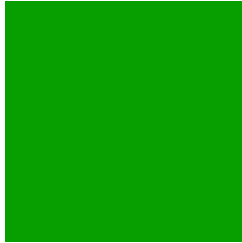
7.2705, 0.3105, 0.1484



0.1340, 0.3150, 0.1509

Previews

White Background



This preview shows how the Yxy color 24.4989, 0.3011, 0.5991 looks on a white background.

Color Contrast Check

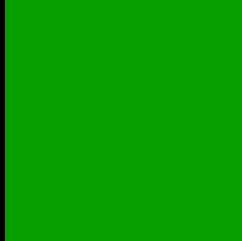
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4989, 0.3011, 0.5991 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 24.4989, 0.3011, 0.5991

Background



This preview shows how black text looks on a background with the Yxy color 24.4989, 0.3011, 0.5991.



This preview shows how white text looks on a background with the Yxy color 24.4989, 0.3011, 0.5991.

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

24.4989, 0.3011, 0.5991

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

24.0999, 0.4591, 0.4500



Tritanopia

24.5639, 0.2373, 0.3066

Trichromacy



Original Color

24.4989, 0.3011, 0.5991



Protanomaly

22.2976, 0.3670, 0.5468



Deuteranomaly

21.9027, 0.3795, 0.5217



Tritanomaly

23.6307, 0.2673, 0.4357

Monochromacy



Original Color

24.4989, 0.3011, 0.5991



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

14.3399, 0.3091, 0.4743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4989, 0.3011, 0.5991 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(7, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 158, 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(7, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4989, 0.3011, 0.5991 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(7, 158, 0) }
```

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

```
.border{ border-color:rgb(7, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(7, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 158, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 158, 0); box-shadow:4px  
4px 4px 4px rgb(7, 158, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4989, 0.3011, 0.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 158, 0) }
```

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

```
.background{ background-color: rgb(7, 158,  
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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