

Converting Colors

$Yxy(24.4206, 0.2990, 0.5964)$

Have a look what the booklet for
Yxy(24.4206, 0.2990, 0.5964)
contains.

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Color

Yxy(24.4691, 0.2991, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	009E07
RGB	0, 158, 7
RGB Percent	0%, 62%, 3%
CMY	0.9991, 0.3804, 0.9725
CMYK	1.00, 0.00, 0.96, 0.38
HSL	123°, 100%, 31%
HSV	123°, 100%, 62%
XYZ	12.2674, 24.4691, 4.2778
YIQ	93.5440, -45.6970, -80.4570

Conversions

Conversions Part 2

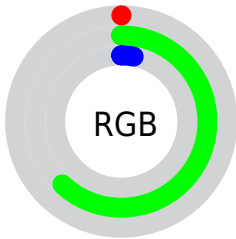
Format	Color
RYB	0, 151, 158
Decimal	40455
CIELab	56.55, -60.05, 57.10
CIELCh	57, 82.868, 136.442
Yxy	24.4691, 0.2991, 0.5966
Android (android.graphics.Color)	4278230535 (0xFF009E07)
YUV	93.5440, -42.6662, -82.0381
Hunter-Lab	49.4663, -42.2989, 29.4990

Details

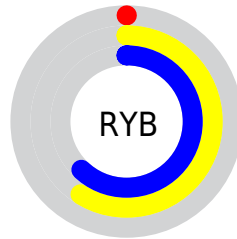
The Yxy color **24.4691, 0.2991, 0.5966** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.5147, 0.3318, 0.1602**, and the grayscale version is **11.2080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8117, 0.3111, 0.5341**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.4682, 0.2991, 0.5967**, and if you desaturate by 10%, it is **24.6221, 0.2992, 0.5853**.

Distribution



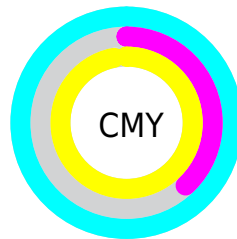
- Red (0%)
- Green (62%)
- Blue (3%)



- Red (0%)
- Yellow (59%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4691, 0.2991, 0.5966 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 24.4691, 0.2991, 0.5966 by changing the saturation by 10% instead.


 24.4691, 0.2991,
0.5966


 24.4691, 0.2991,
0.5966


275.1836, 0.3192,
0.4393


 15.6820, 0.2862,
0.6411


 50.7946, 0.3114,
0.5345


 9.2994, 0.2653,
0.7034


 69.1018, 0.3143,
0.5125


 4.9370, 0.2243,
0.7757

 91.3511, 0.3162,
0.4945

 2.2103, 0.1110,
0.8890

 117.9270, 0.3174,
0.4796

 0.7256, 0.0000,
1.0000


 149.2138, 0.3182,
0.4671


 0.0000, 0.0000,
0.0000


 185.5959, 0.3187,


0.4565


 227.4577, 0.3190,
0.4473


 24.4691, 0.2991,
0.5966


 24.4691, 0.2991,
0.5966


 24.4682, 0.2991,
0.5967

 24.6221, 0.2992,
0.5853

 24.8928, 0.2994,
0.5666

 25.3239, 0.3002,
0.5409

 25.9353, 0.3015,
0.5100

 26.7438, 0.3031,
0.4764

■ 27.7643, 0.3051,
0.4425

■ 29.0104, 0.3071,
0.4099

■ 30.4943, 0.3090,
0.3797

■ 32.2276, 0.3110,
0.3526

Harmonies

Analogous

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



24.4691, 0.4167, 0.5540



24.4691, 0.2991, 0.5966



24.4691, 0.1902, 0.4890

Triad

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



24.4691, 0.2991, 0.5966



24.4691, 0.1184, 0.1510



24.4691, 0.5420, 0.2891

Complementary

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



24.4691, 0.2991, 0.5966



9.5147, 0.3318, 0.1602

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.



24.4691, 0.4137, 0.2188



24.4691, 0.2991, 0.5966



24.4691, 0.1701, 0.1440

Square

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



24.4691, 0.2991, 0.5966



24.4691, 0.1028, 0.1980



24.4691, 0.2695, 0.1674



24.4691, 0.5769, 0.3670

Rectangle

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



24.4691, 0.2991, 0.5966



24.4691, 0.1392, 0.3663



24.4691, 0.2695, 0.1674



24.4691, 0.5070, 0.2646

Sweetspot

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



24.4701, 0.2991, 0.5966



52.5046, 0.3069, 0.4122



31.2008, 0.4136, 0.5097



11.6258, 0.3061, 0.4250



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.



24.4701, 0.2991, 0.5966



44.4274, 0.2993, 0.5976



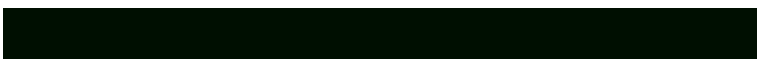
25.1006, 0.2687, 0.4872



7.4055, 0.3111, 0.3511



19.5984, 0.2990, 0.5963



0.3516, 0.2941, 0.5786

Inverse Universe

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



9.5147, 0.3318, 0.1602



17.2616, 0.3321, 0.1603



7.7663, 0.5070, 0.2568



6.7496, 0.3144, 0.3079



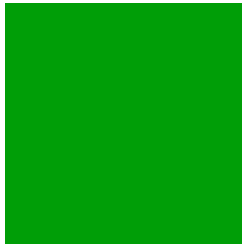
7.6178, 0.3318, 0.1601



0.1376, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 24.4691, 0.2991, 0.5966 looks on a white background.

Color Contrast Check

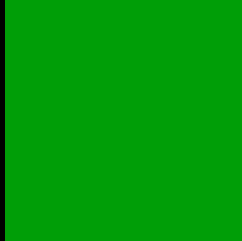
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4691, 0.2991, 0.5966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

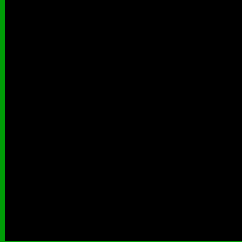
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

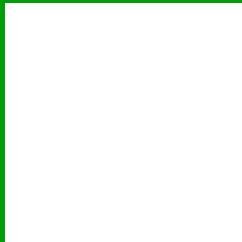
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4691, 0.2991, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 24.4691, 0.2991, 0.5966.



This preview shows how white text looks on a background with the Yxy color 24.4691, 0.2991, 0.5966.

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

24.4691, 0.2991, 0.5966

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

24.1057, 0.4585, 0.4493



Tritanopia

24.5289, 0.2367, 0.3066

Trichromacy



Original Color

24.4691, 0.2991, 0.5966



Protanomaly

22.1929, 0.3642, 0.5473



Deuteranomaly

21.7236, 0.3748, 0.5221



Tritanomaly

23.6249, 0.2638, 0.4293

Monochromacy



Original Color

24.4691, 0.2991, 0.5966



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

14.0310, 0.3040, 0.4691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4691, 0.2991, 0.5966 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, 158, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 7)  
}
```

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, 158, 7) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 24.4691, 0.2991, 0.5966 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, 158, 7) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 24.4691, 0.2991, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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