

Converting Colors

$Yxy(24.5394, 0.3013, 0.5990)$

Have a look what the booklet for
Yxy(24.5394, 0.3013, 0.5990)
contains.

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Color

$Y_{xy}(24.5053, 0.3013, 0.5990)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 089E00 |
| RGB | 8, 158, 0 |
| RGB Percent | 3%, 62%, 0% |
| CMY | 0.9688, 0.3804, 1.0000 |
| CMYK | 0.95, 0.00, 1.00, 0.38 |
| HSL | 117°, 100%, 31% |
| HSV | 117°, 100%, 62% |
| XYZ | 12.3263, 24.5053, 4.0788 |
| YIQ | 95.1380, -38.6820, -80.9380 |

Conversions

Conversions Part 2

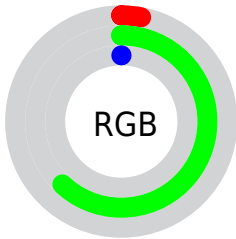
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 158, 150 |
| Decimal | 564736 |
| CIELab | 56.59, -59.80, 58.24 |
| CIELCh | 57, 83.473, 135.761 |
| Yxy | 24.5053, 0.3013, 0.5990 |
| Android (android.graphics.Color) | 4278754816 (0xFF089E00) |
| YUV | 95.1380, -46.9030, -76.4200 |
| Hunter-Lab | 49.5028, -42.1831, 29.7668 |

Details

The Yxy color **24.5053, 0.3013, 0.5990** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.9578, 0.3085, 0.1473**, and the grayscale version is **11.5973, 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 **24.5064, 0.3013, 0.5990**, and if you desaturate by 10%, it is **24.6736, 0.3023, 0.5886**.

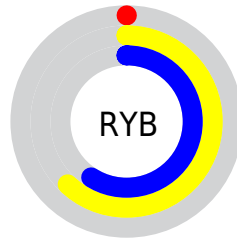
Distribution



Red (3%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (59%)

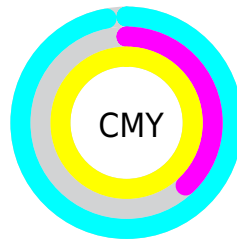


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (97%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5053, 0.3013, 0.5990 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 24.5053, 0.3013, 0.5990 by changing the saturation by 10% instead.


 24.5053, 0.3013,
0.5990


 24.5053, 0.3013,
0.5990


275.3653, 0.3206,
0.4408


 15.7089, 0.2883,
0.6433


 50.8535, 0.3135,
0.5367


 9.3184, 0.2679,
0.7064


 69.1741, 0.3163,
0.5146

 4.9494, 0.2256,
0.7744

 91.4382, 0.3181,
0.4965

 2.2176, 0.1142,
0.8858

 118.0302, 0.3192,
0.4815

 0.7296, 0.0000,
1.0000


 149.3346, 0.3199,
0.4688


 0.0000, 0.0000,
0.0000

 185.7356, 0.3203,

0.4581


 227.6177, 0.3205,
0.4488

 24.5053, 0.3013,
0.5990


 24.5053, 0.3013,
0.5990

 24.5064, 0.3013,
0.5990

 24.6736, 0.3023,
0.5886

 24.9686, 0.3039,
0.5713

 25.4196, 0.3055,
0.5464

 26.0442, 0.3072,
0.5157

 26.8576, 0.3087,
0.4819

■ 27.8735, 0.3099,
0.4472

■ 29.1040, 0.3110,
0.4135

■ 30.5606, 0.3117,
0.3823

■ 32.2537, 0.3123,
0.3540

Harmonies

Analogous

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



24.5053, 0.4194, 0.5530



24.5053, 0.3013, 0.5990



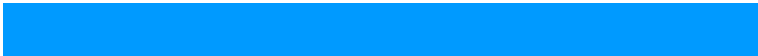
24.5053, 0.1914, 0.4942

Triad

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



24.5053, 0.3013, 0.5990



24.5053, 0.1169, 0.1507



24.5053, 0.5414, 0.2870

Complementary

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



24.5053, 0.3013, 0.5990



8.9578, 0.3085, 0.1473

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.



24.5053, 0.4108, 0.2168



24.5053, 0.3013, 0.5990



24.5053, 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.



24.5053, 0.3013, 0.5990



24.5053, 0.1019, 0.1989



24.5053, 0.2663, 0.1658



24.5053, 0.5786, 0.3648

Rectangle

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



24.5053, 0.3013, 0.5990



24.5053, 0.1396, 0.3705



24.5053, 0.2663, 0.1658



24.5053, 0.5055, 0.2624

Sweetspot

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



24.5064, 0.3013, 0.5990



52.7077, 0.3109, 0.4155



28.2836, 0.4313, 0.4957



11.6740, 0.3105, 0.4286



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.



24.5064, 0.3013, 0.5990



44.4750, 0.3009, 0.5993



24.8782, 0.2779, 0.5204



7.4162, 0.3123, 0.3520



19.6313, 0.3015, 0.5988



0.3552, 0.3086, 0.5932

Inverse Universe

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



8.9578, 0.3085, 0.1473



16.2396, 0.3083, 0.1472



7.9998, 0.4657, 0.2339



6.7376, 0.3130, 0.3069



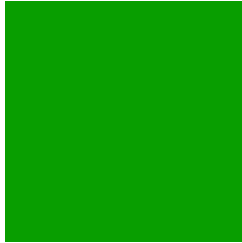
7.1791, 0.3086, 0.1474



0.1330, 0.3139, 0.1503

Previews

White Background



This preview shows how the Yxy color 24.5053, 0.3013, 0.5990 looks on a white background.

Color Contrast Check

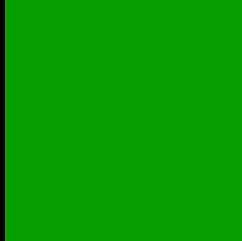
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5053, 0.3013, 0.5990 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 24.5053, 0.3013, 0.5990

Background



This preview shows how black text looks on a background with the Yxy color 24.5053, 0.3013, 0.5990.



This preview shows how white text looks on a background with the Yxy color 24.5053, 0.3013, 0.5990.

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

24.5053, 0.3013, 0.5990

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

24.0999, 0.4591, 0.4500



Tritanopia

24.5639, 0.2373, 0.3066

Trichromacy



Original Color

24.5053, 0.3013, 0.5990



Protanomaly

22.3542, 0.3682, 0.5459



Deuteranomaly

21.9027, 0.3795, 0.5217



Tritanomaly

23.6536, 0.2678, 0.4356

Monochromacy



Original Color

24.5053, 0.3013, 0.5990



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 24.5053, 0.3013, 0.5990 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(8, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5053, 0.3013, 0.5990 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(8, 158, 0) }
```

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

```
.border{ border-color:rgb(8, 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(8, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 158, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 158, 0); box-shadow:4px  
4px 4px 4px rgb(8, 158, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5053, 0.3013, 0.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 158, 0) }
```

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

```
.background{ background-color: rgb(8, 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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