

Converting Colors

$Y_{xy}(24.7806, 0.3005, 0.5900)$

Have a look what the booklet for
Yxy(24.7806, 0.3005, 0.5900)
contains.

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Color

Yxy(24.9438, 0.3005, 0.5899)

Conversions

Conversions Part 1

Format	Color
Hex	109F10
RGB	16, 159, 16
RGB Percent	6%, 62%, 6%
CMY	0.9368, 0.3765, 0.9373
CMYK	0.90, 0.00, 0.90, 0.38
HSL	120°, 82%, 34%
HSV	120°, 90%, 62%
XYZ	12.7066, 24.9438, 4.6344
YIQ	99.9410, -39.3250, -74.7890

Conversions

Conversions Part 2

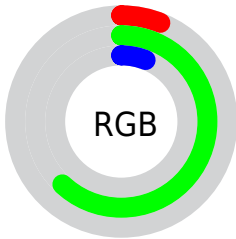
Format	Color
R_{YB}	16, 159, 159
Decimal	1089296
CIE _{Lab}	57.02, -59.08, 56.07
CIE _{LCh}	57, 81.451, 136.499
Yxy	24.9438, 0.3005, 0.5899
Android (android.graphics.Color)	4279279376 (0xFF109F10)
YUV	99.9410, -41.3829, -73.6163
Hunter-Lab	49.9438, -41.9880, 29.4590

Details

The Yxy color **24.9438, 0.3005, 0.5899** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.2326, 0.3205, 0.1583**, and the grayscale version is **12.8517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5696, 0.3120, 0.5300**, and **10.3081, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.7980, 0.3000, 0.5999**, and if you desaturate by 10%, it is **25.2070, 0.3013, 0.5731**.

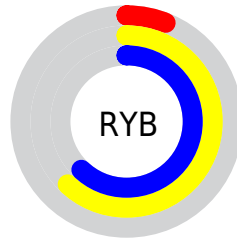
Distribution



Red (6%)

Green (62%)

Blue (6%)



Red (6%)

Yellow (62%)

Blue (62%)

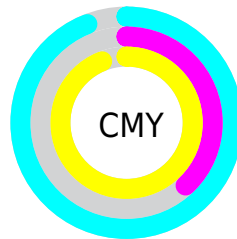


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (38%)



Cyan (94%)


Magenta (38%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9438, 0.3005, 0.5899 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 24.9438, 0.3005, 0.5899 by changing the saturation by 10% instead.


 24.9438, 0.3005,
0.5899


 24.9438, 0.3005,
0.5899


277.5579, 0.3191,
0.4369


 16.0352, 0.2884,
0.6334


 51.5660, 0.3119,
0.5294

 9.5491, 0.2683,
0.6924


 70.0485, 0.3147,
0.5081


 5.1010, 0.2312,
0.7688

 92.4909, 0.3164,
0.4906

 2.3067, 0.1313,
0.8687

 119.2778, 0.3175,
0.4761

 0.7772, 0.0000,
1.0000


 150.7936, 0.3182,
0.4639


 0.0000, 0.0000,
0.0000


 187.4226, 0.3187,


0.4536


 229.5493, 0.3189,
0.4446


 24.9438, 0.3005,
0.5899

 24.9438, 0.3005,
0.5899


 24.7980, 0.3000,
0.5999


 25.2070, 0.3013,
0.5731

 24.7972, 0.3000,
0.6000

 25.6335, 0.3025,
0.5483

 26.2453, 0.3039,
0.5175

 27.0600, 0.3055,
0.4832

 28.0936, 0.3072,
0.4480

■ 29.3602, 0.3088,
0.4140

■ 30.8727, 0.3102,
0.3824

■ 32.6432, 0.3116,
0.3539

■ 34.6830, 0.3127,
0.3289

Harmonies

Analogous

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



24.9438, 0.4164, 0.5508



24.9438, 0.3005, 0.5899



24.9438, 0.1930, 0.4844

Triad

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



24.9438, 0.3005, 0.5899



24.9438, 0.1214, 0.1539



24.9438, 0.5372, 0.2907

Complementary

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



24.9438, 0.3005, 0.5899



10.2326, 0.3205, 0.1583

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.



24.9438, 0.4119, 0.2210



24.9438, 0.3005, 0.5899



24.9438, 0.1727, 0.1469

Square

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



24.9438, 0.3005, 0.5899



24.9438, 0.1059, 0.2008



24.9438, 0.2708, 0.1701



24.9438, 0.5720, 0.3680

Rectangle

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



24.9438, 0.3005, 0.5899



24.9438, 0.1424, 0.3655



24.9438, 0.2708, 0.1701



24.9438, 0.5029, 0.2663

Sweetspot

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



24.9448, 0.3005, 0.5899



53.1979, 0.3091, 0.4060



31.3928, 0.4192, 0.4988



11.8120, 0.3086, 0.4165



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.



24.9448, 0.3005, 0.5899



44.4090, 0.3000, 0.6000



25.5641, 0.2709, 0.4858



7.4013, 0.3116, 0.3521



19.5857, 0.3000, 0.6000



0.3503, 0.3001, 0.5999

Inverse Universe

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



10.2326, 0.3205, 0.1583



17.6596, 0.3207, 0.1540



8.4774, 0.4634, 0.2407



6.7543, 0.3137, 0.3070



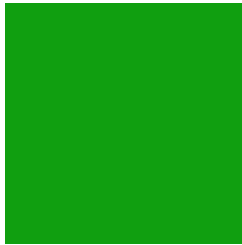
7.7886, 0.3207, 0.1540



0.1393, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 24.9438, 0.3005, 0.5899 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 24.9438, 0.3005, 0.5899 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 24.9438, 0.3005, 0.5899

Background



This preview shows how black text looks on a background with the Yxy color 24.9438, 0.3005, 0.5899.



This preview shows how white text looks on a background with the Yxy color 24.9438, 0.3005, 0.5899.

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

24.9438, 0.3005, 0.5899

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.4920, 0.4572, 0.4483



Tritanopia

24.9468, 0.2376, 0.3068

Trichromacy



Original Color

24.9438, 0.3005, 0.5899



Protanomaly

22.8432, 0.3696, 0.5413



Deuteranomaly

22.4897, 0.3807, 0.5136



Tritanomaly

24.1922, 0.2646, 0.4211

Monochromacy



Original Color

24.9438, 0.3005, 0.5899



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.3696, 0.3068, 0.4549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9438, 0.3005, 0.5899 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(16, 159, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 159, 16)  
}
```

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(16, 159, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 159, 16) }
```

Border

The CSS property to change the border of an element to Yxy 24.9438, 0.3005, 0.5899 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(16, 159, 16) }
```

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

```
.border{ border-color:rgb(16, 159, 16) }
```

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

Here you see how a box with a 4 pixel rgb(16, 159, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 159, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 159, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 159,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9438, 0.3005, 0.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 159, 16) }
```

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

```
.background{ background-color: rgb(16, 159,  
16) }
```

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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