

Converting Colors

$Y_{xy}(24.6013, 0.3005, 0.5898)$

Have a look what the booklet for
Yxy(24.6013, 0.3005, 0.5898)
contains.

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Color

$\text{Yxy}(24.6013, 0.3005, 0.5898)$

Conversions

Conversions Part 1

Format	Color
Hex	109E10
RGB	16, 158, 16
RGB Percent	6%, 62%, 6%
CMY	0.9371, 0.3804, 0.9375
CMYK	0.90, 0.00, 0.90, 0.38
HSL	120°, 82%, 34%
HSV	120°, 90%, 62%
XYZ	12.5342, 24.6013, 4.5757
YIQ	99.3540, -39.0500, -74.2660

Conversions

Conversions Part 2

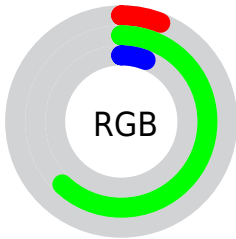
Format	Color
RYB	16, 158, 158
Decimal	1089040
CIELab	56.68, -58.80, 55.78
CIELCh	57, 81.049, 136.505
Yxy	24.6013, 0.3005, 0.5898
Android (android.graphics.Color)	4279279120 (0xFF109E10)
YUV	99.3540, -41.0935, -73.1015
Hunter-Lab	49.5997, -41.6911, 29.2501

Details

The Yxy color **24.6013, 0.3005, 0.5898** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0977, 0.3206, 0.1584**, and the grayscale version is **12.6870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0619, 0.3121, 0.5294**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.4565, 0.3000, 0.5999**, and if you desaturate by 10%, it is **24.8618, 0.3013, 0.5729**.

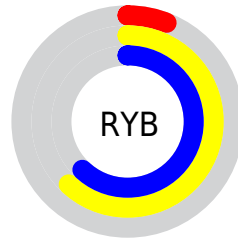
Distribution



Red (6%)

Green (62%)

Blue (6%)



Red (6%)

Yellow (62%)

Blue (62%)

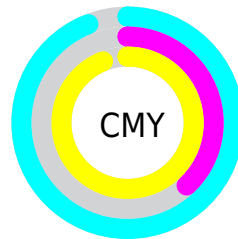


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (38%)



Cyan (94%)


Magenta (38%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6013, 0.3005, 0.5898 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 24.6013, 0.3005, 0.5898 by changing the saturation by 10% instead.


 24.6013, 0.3005,
0.5898


 24.6013, 0.3005,
0.5898

275.8465, 0.3191,
0.4365

 15.7803, 0.2884,
0.6335


 51.0097, 0.3120,
0.5291


 9.3688, 0.2682,
0.6932


 69.3658, 0.3147,
0.5077

 4.9825, 0.2304,
0.7696


 91.6691, 0.3164,
0.4902

 2.2370, 0.1253,
0.8747

 118.3039, 0.3175,
0.4757

 0.7401, 0.0000,
1.0000


 149.6547, 0.3182,
0.4636

 0.0000, 0.0000,
0.0000


 186.1057, 0.3187,

0.4532


 228.0416, 0.3189,
0.4443

 24.6013, 0.3005,
0.5898

 24.6013, 0.3005,
0.5898


 24.4565, 0.3000,
0.5999


 24.8618, 0.3013,
0.5729

 24.4552, 0.3000,
0.6000

 25.2834, 0.3025,
0.5481

 25.8877, 0.3039,
0.5173

 26.6921, 0.3055,
0.4830

 27.7123, 0.3072,
0.4478

■ 28.9621, 0.3088,
0.4138

■ 30.4543, 0.3102,
0.3822

■ 32.2008, 0.3116,
0.3538

■ 34.2128, 0.3127,
0.3288

Harmonies

Analogous

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



24.6013, 0.4163, 0.5508



24.6013, 0.3005, 0.5898



24.6013, 0.1930, 0.4843

Triad

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



24.6013, 0.3005, 0.5898



24.6013, 0.1214, 0.1540



24.6013, 0.5371, 0.2907

Complementary

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



24.6013, 0.3005, 0.5898



10.0977, 0.3206, 0.1584

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.



24.6013, 0.4119, 0.2211



24.6013, 0.3005, 0.5898



24.6013, 0.1728, 0.1469

Square

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



24.6013, 0.3005, 0.5898



24.6013, 0.1060, 0.2008



24.6013, 0.2709, 0.1701



24.6013, 0.5720, 0.3681

Rectangle

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



24.6013, 0.3005, 0.5898



24.6013, 0.1425, 0.3655



24.6013, 0.2709, 0.1701



24.6013, 0.5028, 0.2663

Sweetspot

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



24.6023, 0.3005, 0.5898



53.1971, 0.3091, 0.4060



30.9612, 0.4192, 0.4988



11.8118, 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.



24.6023, 0.3005, 0.5898



44.4088, 0.3000, 0.6000



25.2139, 0.2709, 0.4857



7.4013, 0.3116, 0.3521



19.5855, 0.3000, 0.6000



0.3502, 0.3001, 0.5999

Inverse Universe

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



10.0977, 0.3206, 0.1584



17.6644, 0.3208, 0.1541



8.3655, 0.4632, 0.2407



6.7544, 0.3137, 0.3070



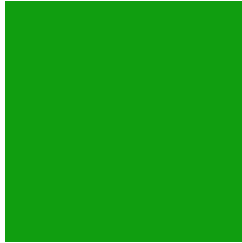
7.7906, 0.3208, 0.1541



0.1394, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 24.6013, 0.3005, 0.5898 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 24.6013, 0.3005, 0.5898 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 24.6013, 0.3005, 0.5898

Background



This preview shows how black text looks on a background with the Yxy color 24.6013, 0.3005, 0.5898.



This preview shows how white text looks on a background with the Yxy color 24.6013, 0.3005, 0.5898.

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

24.6013, 0.3005, 0.5898

Protanopia

24.0055, 0.4399, 0.4884

Deuteranopia

24.1180, 0.4573, 0.4478



Tritanopia

24.5639, 0.2373, 0.3066

Trichromacy



Original Color

24.6013, 0.3005, 0.5898



Protanomaly

22.5416, 0.3705, 0.5406



Deuteranomaly

22.1314, 0.3804, 0.5135



Tritanomaly

23.8231, 0.2645, 0.4218

Monochromacy



Original Color

24.6013, 0.3005, 0.5898



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.1278, 0.3069, 0.4532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6013, 0.3005, 0.5898 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, 158, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 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, 158, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 16) }
```

Border

The CSS property to change the border of an element to Yxy 24.6013, 0.3005, 0.5898 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, 158, 16) }
```

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

```
.border{ border-color:rgb(16, 158, 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, 158, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6013, 0.3005, 0.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 16) }
```

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

```
.background{ background-color: rgb(16, 158,  
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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