

Converting Colors

$Y_{xy}(23.6244, 0.2681, 0.6071)$

Have a look what the booklet for
Yxy(23.6244, 0.2681, 0.6071)
contains.

Yxy(24.5197, 0.2961, 0.5858)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.5197, 0.2961, 0.5858)

Conversions

Conversions Part 1

Format	Color
Hex	009E18
RGB	0, 158, 24
RGB Percent	0%, 62%, 9%
CMY	0.9991, 0.3804, 0.9059
CMYK	1.00, 0.00, 0.85, 0.38
HSL	129°, 100%, 31%
HSV	129°, 100%, 62%
XYZ	12.3938, 24.5197, 4.9433
YIQ	95.4820, -51.1540, -75.1700

Conversions

Conversions Part 2

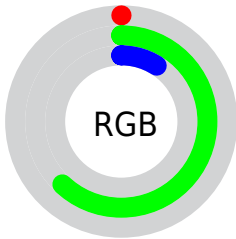
Format	Color
RYB	0, 137, 158
Decimal	40472
CIELab	56.60, -59.40, 53.83
CIELCh	57, 80.166, 137.817
Yxy	24.5197, 0.2961, 0.5858
Android (android.graphics.Color)	4278230552 (0xFF009E18)
YUV	95.4820, -35.2406, -83.7377
Hunter-Lab	49.5174, -41.9783, 28.7433

Details

The Yxy color **24.5197, 0.2961, 0.5858** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.0015, 0.3624, 0.1771**, and the grayscale version is **11.6786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9265, 0.3079, 0.5248**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.5184, 0.2961, 0.5860**, and if you desaturate by 10%, it is **24.6999, 0.2948, 0.5696**.

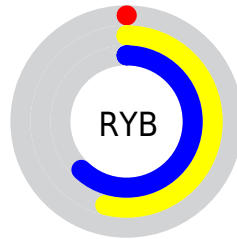
Distribution



Red (0%)

Green (62%)

Blue (9%)



Red (0%)

Yellow (54%)

Blue (62%)

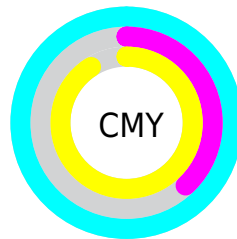


Cyan (100%)

Magenta (0%)

Yellow (85%)

Black (38%)



Cyan (100%)


Magenta (38%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5197, 0.2961, 0.5858 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 24.5197, 0.2961, 0.5858 by changing the saturation by 10% instead.


 24.5197, 0.2961,
0.5858


 24.5197, 0.2961,
0.5858


275.4375, 0.3164,
0.4342


 15.7196, 0.2839,
0.6297


 50.8770, 0.3080,
0.5254


 9.3259, 0.2632,
0.6889


 69.2029, 0.3109,
0.5042


 4.9544, 0.2274,
0.7726

 91.4729, 0.3129,
0.4870

 2.2205, 0.1180,
0.8820

 118.0713, 0.3142,
0.4727

 0.7311, 0.0000,
1.0000

 149.3826, 0.3151,
0.4607

 0.0000, 0.0000,
0.0000

 185.7911, 0.3157,

0.4506

227.6813, 0.3161,
0.4418

■ 24.5197, 0.2961,
0.5858

■ 24.5197, 0.2961,
0.5858

■ 24.5184, 0.2961,
0.5860

■ 24.6999, 0.2948,
0.5696

■ 24.9952, 0.2939,
0.5477

■ 25.4458, 0.2940,
0.5209

■ 26.0696, 0.2951,
0.4910

■ 26.8823, 0.2971,
0.4600

■ 27.8976, 0.2998,
0.4294

■ 29.1280, 0.3028,
0.4005

■ 30.5850, 0.3061,
0.3738

■ 32.2792, 0.3095,
0.3499

Harmonies

Analogous

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



24.5197, 0.4113, 0.5529



24.5197, 0.2961, 0.5858



24.5197, 0.1902, 0.4751

Triad

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



24.5197, 0.2961, 0.5858



24.5197, 0.1241, 0.1542



24.5197, 0.5388, 0.2945

Complementary

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



24.5197, 0.2961, 0.5858



9.0015, 0.3624, 0.1771

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.



24.5197, 0.4175, 0.2247



24.5197, 0.2961, 0.5858



24.5197, 0.1770, 0.1485

Square

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



24.5197, 0.2961, 0.5858



24.5197, 0.1073, 0.1988



24.5197, 0.2767, 0.1729



24.5197, 0.5692, 0.3720

Rectangle

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



24.5197, 0.2961, 0.5858



24.5197, 0.1414, 0.3579



24.5197, 0.2767, 0.1729



24.5197, 0.5061, 0.2701

Sweetspot

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



24.5207, 0.2961, 0.5858



52.7205, 0.3026, 0.4025



29.5495, 0.3934, 0.5257



11.6774, 0.3013, 0.4138



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.



24.5207, 0.2961, 0.5858



44.5075, 0.2967, 0.5882



25.4296, 0.2573, 0.4461



7.4165, 0.3097, 0.3485



19.6410, 0.2958, 0.5850



0.3552, 0.2811, 0.5319

Inverse Universe

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



9.0015, 0.3624, 0.1771



16.3127, 0.3634, 0.1776



7.5541, 0.5543, 0.2829



6.7374, 0.3159, 0.3102



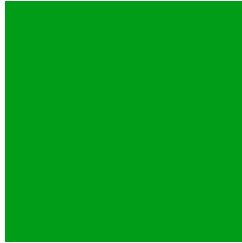
7.2093, 0.3621, 0.1768



0.1331, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 24.5197, 0.2961, 0.5858 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



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 24.5197, 0.2961, 0.5858

Background



This preview shows how black text looks on a background with the Yxy color 24.5197, 0.2961, 0.5858.



This preview shows how white text looks on a background with the Yxy color 24.5197, 0.2961, 0.5858.

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

24.5197, 0.2961, 0.5858

Protanopia

24.0438, 0.4362, 0.4830

Deuteranopia

24.0335, 0.4537, 0.4454



Tritanopia

24.5289, 0.2367, 0.3066

Trichromacy



Original Color

24.5197, 0.2961, 0.5858



Protanomaly

22.2368, 0.3604, 0.5386



Deuteranomaly

21.7747, 0.3702, 0.5128



Tritanomaly

23.7512, 0.2596, 0.4157

Monochromacy



Original Color

24.5197, 0.2961, 0.5858



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.6279, 0.2974, 0.4520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5197, 0.2961, 0.5858 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 24) }
```

Border

The CSS property to change the border of an element to Yxy 24.5197, 0.2961, 0.5858 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, 24) }
```

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

```
.border{ border-color:rgb(0, 158, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5197, 0.2961, 0.5858 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, 24) }
```

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

```
.background{ background-color: rgb(0, 158,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor