

Converting Colors

$Y_{xy}(24.4809, 0.2923, 0.5722)$

Have a look what the booklet for
Yxy(24.4809, 0.2923, 0.5722)
contains.

Yxy(24.5873, 0.2922, 0.5720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.5873, 0.2922, 0.5720)

Conversions

Conversions Part 1

Format	Color
Hex	009E25
RGB	0, 158, 37
RGB Percent	0%, 62%, 15%
CMY	1.0000, 0.3804, 0.8547
CMYK	1.00, 0.00, 0.77, 0.38
HSL	134°, 100%, 31%
HSV	134°, 100%, 62%
XYZ	12.5602, 24.5873, 5.8373
YIQ	96.9640, -55.3270, -71.1270

Conversions

Conversions Part 2

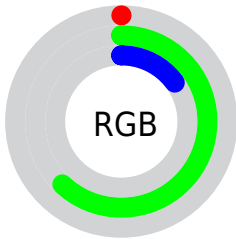
Format	Color
RYB	0, 128, 158
Decimal	40485
CIELab	56.67, -58.56, 49.88
CIELCh	57, 76.926, 139.576
Yxy	24.5873, 0.2922, 0.5720
Android (android.graphics.Color)	4278230565 (0xFF009E25)
YUV	96.9640, -29.5623, -85.0374
Hunter-Lab	49.5856, -41.5603, 27.7301

Details

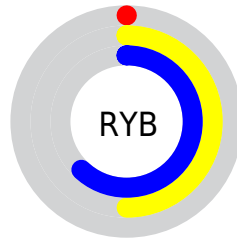
The Yxy color **24.5873, 0.2922, 0.5720** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.6491, 0.3898, 0.1921**, and the grayscale version is **12.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0221, 0.3035, 0.5137**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.5891, 0.2922, 0.5720**, and if you desaturate by 10%, it is **24.7866, 0.2901, 0.5532**.

Distribution



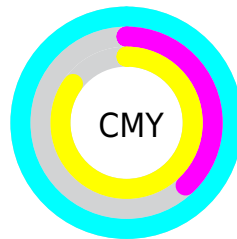
- Red (0%)
- Green (62%)
- Blue (15%)



- Red (0%)
- Yellow (50%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5873, 0.2922, 0.5720 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 24.5873, 0.2922, 0.5720 by changing the saturation by 10% instead.


 24.5873, 0.2922,
0.5720


 24.5873, 0.2922,
0.5720

275.7764, 0.3131,
0.4279


 15.7698, 0.2807,
0.6148


 50.9869, 0.3037,
0.5141

 9.3614, 0.2610,
0.6720


 69.3379, 0.3067,
0.4940


 4.9777, 0.2314,
0.7686

 91.6354, 0.3088,
0.4777

 2.2342, 0.1269,
0.8731

 118.2640, 0.3103,
0.4642

 0.7385, 0.0000,
1.0000

 149.6080, 0.3113,
0.4529

 0.0000, 0.0000,
0.0000

 186.0518, 0.3121,

0.4433

227.9798, 0.3127,
0.4351

■ 24.5873, 0.2922,
0.5720

■ 24.5873, 0.2922,
0.5720

■ 24.5891, 0.2922,
0.5720

■ 24.7866, 0.2901,
0.5532

■ 25.0954, 0.2886,
0.5303

■ 25.5546, 0.2885,
0.5039

■ 26.1814, 0.2898,
0.4758

■ 26.9905, 0.2922,
0.4473

■ 27.9951, 0.2956,
0.4196

■ 29.2072, 0.2995,
0.3935

■ 30.6376, 0.3038,
0.3696

■ 32.2966, 0.3083,
0.3481

Harmonies

Analogous

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



24.5873, 0.4045, 0.5506



24.5873, 0.2922, 0.5720



24.5873, 0.1903, 0.4588

Triad

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



24.5873, 0.2922, 0.5720



24.5873, 0.1312, 0.1582



24.5873, 0.5345, 0.3012

Complementary

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



24.5873, 0.2922, 0.5720



8.6491, 0.3898, 0.1921

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.



24.5873, 0.4218, 0.2319



24.5873, 0.2922, 0.5720



24.5873, 0.1857, 0.1542

Square

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



24.5873, 0.2922, 0.5720



24.5873, 0.1129, 0.1998



24.5873, 0.2856, 0.1797



24.5873, 0.5598, 0.3780

Rectangle

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



24.5873, 0.2922, 0.5720



24.5873, 0.1441, 0.3483



24.5873, 0.2856, 0.1797



24.5873, 0.5046, 0.2770

Sweetspot

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



24.5891, 0.2922, 0.5720



52.8971, 0.2992, 0.3950



28.5301, 0.3791, 0.5372



11.7200, 0.2976, 0.4051



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.



24.5891, 0.2922, 0.5720



44.6248, 0.2930, 0.5749



25.7132, 0.2491, 0.4166



7.4253, 0.3086, 0.3466



19.6974, 0.2919, 0.5707



0.3580, 0.2725, 0.5010

Inverse Universe

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



8.6491, 0.3898, 0.1921



15.6736, 0.3914, 0.1930



7.4377, 0.5848, 0.2995



6.7280, 0.3171, 0.3120



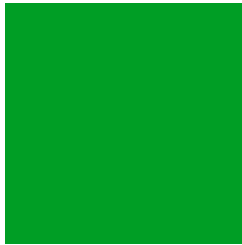
6.9329, 0.3891, 0.1917



0.1299, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 24.5873, 0.2922, 0.5720 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 24.5873, 0.2922, 0.5720 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 24.5873, 0.2922, 0.5720

Background



This preview shows how black text looks on a background with the Yxy color 24.5873, 0.2922, 0.5720.



This preview shows how white text looks on a background with the Yxy color 24.5873, 0.2922, 0.5720.

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

24.5873, 0.2922, 0.5720

Protanopia

24.1023, 0.4307, 0.4748

Deuteranopia

24.1036, 0.4472, 0.4372



Tritanopia

24.4945, 0.2362, 0.3066

Trichromacy



Original Color

24.5873, 0.2922, 0.5720



Protanomaly

22.2961, 0.3555, 0.5274



Deuteranomaly

21.8428, 0.3645, 0.5010



Tritanomaly

23.8424, 0.2558, 0.4045

Monochromacy



Original Color

24.5873, 0.2922, 0.5720



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.7258, 0.2936, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5873, 0.2922, 0.5720 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 37) }
```

Border

The CSS property to change the border of an element to Yxy 24.5873, 0.2922, 0.5720 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, 37) }
```

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

```
.border{ border-color:rgb(0, 158, 37) }
```

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, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 37)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5873, 0.2922, 0.5720 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, 37) }
```

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

```
.background{ background-color: rgb(0, 158,  
37) }
```

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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