

Converting Colors

$Y_{xy}(24.9837, 0.3121, 0.5904)$

Have a look what the booklet for
Yxy(24.9837, 0.3121, 0.5904)
contains.

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Color

Yxy(24.9460, 0.3120, 0.5905)

Conversions

Conversions Part 1

Format	Color
Hex	2A9E00
RGB	42, 158, 0
RGB Percent	16%, 62%, 0%
CMY	0.8354, 0.3804, 1.0000
CMYK	0.73, 0.00, 1.00, 0.38
HSL	104°, 100%, 31%
HSV	104°, 100%, 62%
XYZ	13.1806, 24.9460, 4.1189
YIQ	105.3040, -18.4180, -73.7300

Conversions

Conversions Part 2

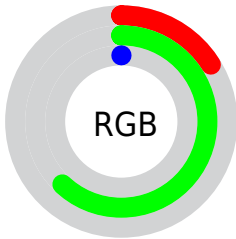
Format	Color
RYB	0, 158, 116
Decimal	2792960
CIELab	57.02, -55.95, 58.76
CIELCh	57, 81.139, 133.596
Yxy	24.9460, 0.3120, 0.5905
Android (android.graphics.Color)	4280983040 (0xFF2A9E00)
YUV	105.3040, -51.9149, -55.5176
Hunter-Lab	49.9460, -40.2998, 30.0727

Details

The Yxy color **24.9460, 0.3120, 0.5905** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.1842, 0.2553, 0.1180**, and the grayscale version is **14.3594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6739, 0.3214, 0.5316**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.9471, 0.3120, 0.5905**, and if you desaturate by 10%, it is **25.2649, 0.3161, 0.5780**.

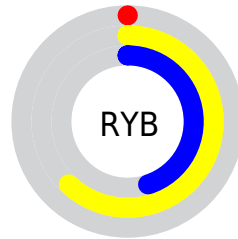
Distribution



Red (16%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (45%)

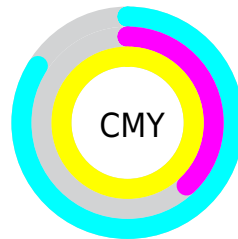


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (84%)

Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9460, 0.3120, 0.5905 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 24.9460, 0.3120, 0.5905 by changing the saturation by 10% instead.


 24.9460, 0.3120,
0.5905

 24.9460, 0.3120,
0.5905


277.5689, 0.3250,
0.4386


 16.0368, 0.3009,
0.6324


 51.5696, 0.3217,
0.5312


 9.5502, 0.2830,
0.6913

 70.0528, 0.3236,
0.5100


 5.1018, 0.2445,
0.7555

 92.4962, 0.3247,
0.4926

 2.3071, 0.1557,
0.8443

 119.2841, 0.3252,
0.4781


 0.7775, 0.0000,
1.0000

 150.8009, 0.3254,
0.4659


 0.0000, 0.0000,
0.0000

 187.4311, 0.3254,


0.4554

 229.5589, 0.3253,
0.4465


 24.9460, 0.3120,
0.5905


 24.9460, 0.3120,
0.5905

 24.9471, 0.3120,
0.5905

 25.2649, 0.3161,
0.5780

 25.6875, 0.3198,
0.5598

 26.2327, 0.3224,
0.5355

 26.9102, 0.3236,
0.5066

 27.7287, 0.3236,
0.4750

■ 28.6962, 0.3226,
0.4427

■ 29.8198, 0.3208,
0.4111

■ 31.1065, 0.3184,
0.3812

■ 32.5625, 0.3156,
0.3538

Harmonies

Analogous

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



24.9460, 0.4271, 0.5421



24.9460, 0.3120, 0.5905



24.9460, 0.2025, 0.4997

Triad

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



24.9460, 0.3120, 0.5905



24.9460, 0.1189, 0.1569



24.9460, 0.5275, 0.2838

Complementary

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



24.9460, 0.3120, 0.5905



6.1842, 0.2553, 0.1180

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.



24.9460, 0.3973, 0.2154



24.9460, 0.3120, 0.5905



24.9460, 0.1663, 0.1467

Square

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



24.9460, 0.3120, 0.5905



24.9460, 0.1067, 0.2087



24.9460, 0.2593, 0.1670



24.9460, 0.5724, 0.3603

Rectangle

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



24.9460, 0.3120, 0.5905



24.9460, 0.1489, 0.3823



24.9460, 0.2593, 0.1670



24.9460, 0.4905, 0.2597

Sweetspot

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



24.9471, 0.3120, 0.5905



54.0212, 0.3209, 0.4129



19.7306, 0.4751, 0.4610



11.9899, 0.3217, 0.4253



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.



24.9471, 0.3120, 0.5905



45.2163, 0.3109, 0.5913



24.5883, 0.2923, 0.5722



7.4820, 0.3154, 0.3518



19.9957, 0.3125, 0.5901



0.3764, 0.3408, 0.5676

Inverse Universe

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



6.1842, 0.2553, 0.1180



11.1280, 0.2541, 0.1173



8.6535, 0.3894, 0.1919



6.6659, 0.3097, 0.3067



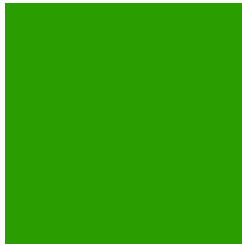
4.9724, 0.2559, 0.1183



0.1081, 0.2835, 0.1335

Previews

White Background



This preview shows how the Yxy color 24.9460, 0.3120, 0.5905 looks on a white background.

Color Contrast Check

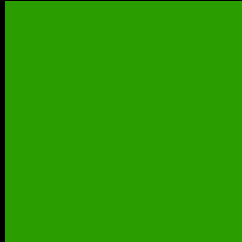
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9460, 0.3120, 0.5905 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 24.9460, 0.3120, 0.5905

Background



This preview shows how black text looks on a background with the Yxy color 24.9460, 0.3120, 0.5905.



This preview shows how white text looks on a background with the Yxy color 24.9460, 0.3120, 0.5905.

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

24.9460, 0.3120, 0.5905

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.4739, 0.4589, 0.4505



Tritanopia

24.9071, 0.2424, 0.3069

Trichromacy



Original Color

24.9460, 0.3120, 0.5905



Protanomaly

23.4572, 0.3825, 0.5345



Deuteranomaly

23.0992, 0.3945, 0.5109



Tritanomaly

24.1628, 0.2781, 0.4326

Monochromacy



Original Color

24.9460, 0.3120, 0.5905



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.6144, 0.3231, 0.4588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9460, 0.3120, 0.5905 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(42, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 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(42, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.9460, 0.3120, 0.5905 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(42, 158, 0) }
```

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

```
.border{ border-color:rgb(42, 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(42, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 158, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.9460, 0.3120, 0.5905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 158, 0) }
```

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

```
.background{ background-color: rgb(42, 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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