

Converting Colors

$Y_{xy}(24.7978, 0.3074, 0.5941)$

Have a look what the booklet for
Yxy(24.7978, 0.3074, 0.5941)
contains.

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Color

Yxy(24.7608, 0.3076, 0.5940)

Conversions

Conversions Part 1

Format	Color
Hex	209E00
RGB	32, 158, 0
RGB Percent	13%, 62%, 0%
CMY	0.8745, 0.3804, 1.0000
CMYK	0.80, 0.00, 1.00, 0.38
HSL	108°, 100%, 31%
HSV	108°, 100%, 62%
XYZ	12.8223, 24.7608, 4.1018
YIQ	102.3140, -24.3780, -75.8500

Conversions

Conversions Part 2

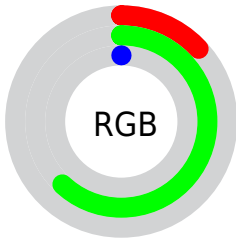
Format	Color
RYB	0, 158, 126
Decimal	2137600
CIELab	56.84, -57.54, 58.54
CIELCh	57, 82.084, 134.503
Yxy	24.7608, 0.3076, 0.5940
Android (android.graphics.Color)	4280327680 (0xFF209E00)
YUV	102.3140, -50.4408, -61.6654
Hunter-Lab	49.7602, -41.0844, 29.9448

Details

The Yxy color **24.7608, 0.3076, 0.5940** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.9046, 0.2707, 0.1265**, and the grayscale version is **13.5138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3728, 0.3184, 0.5335**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.7619, 0.3076, 0.5940**, and if you desaturate by 10%, it is **25.0405, 0.3110, 0.5819**.

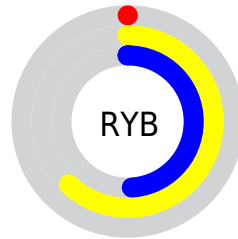
Distribution



Red (13%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (49%)

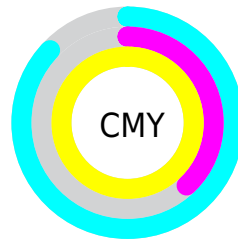


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (87%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7608, 0.3076, 0.5940 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 24.7608, 0.3076, 0.5940 by changing the saturation by 10% instead.


 24.7608, 0.3076,
0.5940


 24.7608, 0.3076,
0.5940


276.6446, 0.3232,
0.4395


 15.8989, 0.2957,
0.6369


 51.2689, 0.3183,
0.5335

 9.4527, 0.2768,
0.6975


 69.6839, 0.3206,
0.5119


 5.0376, 0.2367,
0.7633

 92.0521, 0.3220,
0.4942

 2.2693, 0.1394,
0.8606

 118.7579, 0.3227,
0.4795

 0.7574, 0.0000,
1.0000


 150.1857, 0.3231,
0.4671

 0.0000, 0.0000,
0.0000


 186.7198, 0.3233,


0.4565


 228.7446, 0.3233,
0.4474


 24.7608, 0.3076,
0.5940


 24.7608, 0.3076,
0.5940


 24.7619, 0.3076,
0.5940

 25.0405, 0.3110,
0.5819

 25.4328, 0.3143,
0.5637

 25.9580, 0.3169,
0.5390

 26.6279, 0.3185,
0.5095

 27.4524, 0.3191,
0.4771

■ 28.4407, 0.3188,
0.4440

■ 29.6014, 0.3179,
0.4118

■ 30.9421, 0.3164,
0.3815

■ 32.4704, 0.3147,
0.3539

Harmonies

Analogous

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



24.7608, 0.4240, 0.5465



24.7608, 0.3076, 0.5940



24.7608, 0.1979, 0.4975

Triad

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



24.7608, 0.3076, 0.5940



24.7608, 0.1181, 0.1543



24.7608, 0.5333, 0.2851

Complementary

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



24.7608, 0.3076, 0.5940



6.9046, 0.2707, 0.1265

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.



24.7608, 0.4028, 0.2160



24.7608, 0.3076, 0.5940



24.7608, 0.1669, 0.1452

Square

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



24.7608, 0.3076, 0.5940



24.7608, 0.1047, 0.2046



24.7608, 0.2622, 0.1665



24.7608, 0.5750, 0.3622

Rectangle

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



24.7608, 0.3076, 0.5940



24.7608, 0.1450, 0.3774



24.7608, 0.2622, 0.1665



24.7608, 0.4967, 0.2608

Sweetspot

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



24.7619, 0.3076, 0.5940



53.6211, 0.3179, 0.4136



21.6270, 0.4630, 0.4706



11.8931, 0.3184, 0.4263



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.



24.7619, 0.3076, 0.5940



44.8966, 0.3067, 0.5947



24.6425, 0.2893, 0.5615



7.4625, 0.3145, 0.3519



19.8450, 0.3080, 0.5936



0.3702, 0.3320, 0.5746

Inverse Universe

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



6.9046, 0.2707, 0.1265



12.4522, 0.2697, 0.1260



8.4670, 0.4071, 0.2017



6.6867, 0.3107, 0.3067



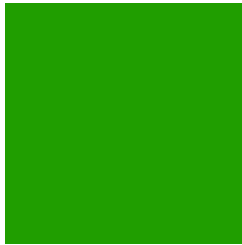
5.5464, 0.2711, 0.1267



0.1150, 0.2924, 0.1385

Previews

White Background



This preview shows how the Yxy color 24.7608, 0.3076, 0.5940 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 24.7608, 0.3076, 0.5940 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 24.7608, 0.3076, 0.5940

Background



This preview shows how black text looks on a background with the Yxy color 24.7608, 0.3076, 0.5940.



This preview shows how white text looks on a background with the Yxy color 24.7608, 0.3076, 0.5940.

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

24.7608, 0.3076, 0.5940

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.3621, 0.4578, 0.4512



Tritanopia

24.7484, 0.2400, 0.3068

Trichromacy



Original Color

24.7608, 0.3076, 0.5940



Protanomaly

23.1977, 0.3777, 0.5383



Deuteranomaly

22.8072, 0.3896, 0.5145



Tritanomaly

23.9427, 0.2737, 0.4339

Monochromacy



Original Color

24.7608, 0.3076, 0.5940



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.8785, 0.3196, 0.4624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7608, 0.3076, 0.5940 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(32, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 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(32, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.7608, 0.3076, 0.5940 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(32, 158, 0) }
```

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

```
.border{ border-color:rgb(32, 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(32, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 158, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.7608, 0.3076, 0.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 158, 0) }
```

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

```
.background{ background-color: rgb(32, 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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