

Converting Colors

$Yxy(24.4428, 0.2682, 0.7014)$

Have a look what the booklet for
Yxy(24.4428, 0.2682, 0.7014)
contains.

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Color

Yxy(26.1944, 0.3000, 0.6000)

Conversions

Conversions Part 1

Format	Color
Hex	00A300
RGB	0, 163, 0
RGB Percent	0%, 64%, 0%
CMY	1.0000, 0.3608, 0.9999
CMYK	1.00, 0.00, 1.00, 0.36
HSL	120°, 100%, 32%
HSV	120°, 100%, 64%
XYZ	13.0972, 26.1944, 4.3657
YIQ	95.6810, -44.8250, -85.2490

Conversions

Conversions Part 2

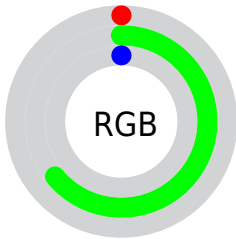
Format	Color
RYB	0, 163, 163
Decimal	41728
CIELab	58.22, -61.66, 59.51
CIELCh	58, 85.698, 136.016
Yxy	26.1944, 0.3000, 0.6000
Android (android.graphics.Color)	4278231808 (0xFF00A300)
YUV	95.6810, -47.1707, -83.9122
Hunter-Lab	51.1805, -43.8872, 30.7688

Details

The Yxy color **26.1944, 0.3000, 0.6000** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.4308, 0.3209, 0.1542**, and the grayscale version is **11.7413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4581, 0.3124, 0.5384**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.1955, 0.3000, 0.6000**, and if you desaturate by 10%, it is **26.3466, 0.3005, 0.5902**.

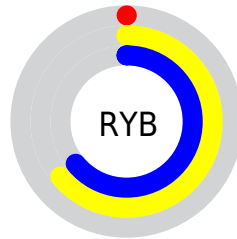
Distribution



Red (0%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (64%)

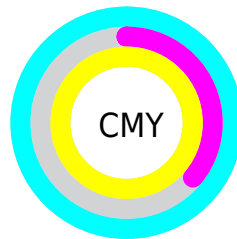


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (100%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1944, 0.3000, 0.6000 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 26.1944, 0.3000, 0.6000 by changing the saturation by 10% instead.


 26.1944, 0.3000,
0.6000


 26.1944, 0.3000,
0.6000


283.7351, 0.3200,
0.4426


 16.9691, 0.2872,
0.6435


 53.5884, 0.3123,
0.5385


 10.2125, 0.2665,
0.7028


 72.5259, 0.3152,
0.5165


 5.5401, 0.2274,
0.7726


 95.4696, 0.3171,
0.4985

 2.5675, 0.1383,
0.8617

 122.8039, 0.3183,
0.4834

 0.9104, 0.0000,
1.0000


 154.9132, 0.3191,
0.4708

 0.0000, 0.0000,
0.0000


 192.1819, 0.3196,


0.4600


 234.9944, 0.3199,
0.4507


 26.1944, 0.3000,
0.6000


 26.1944, 0.3000,
0.6000


 26.1955, 0.3000,
0.6000

 26.3466, 0.3005,
0.5902

 26.6199, 0.3012,
0.5735

 27.0670, 0.3024,
0.5489

 27.7102, 0.3038,
0.5181

 28.5688, 0.3054,
0.4838

■ 29.6593, 0.3071,
0.4485

■ 30.9970, 0.3087,
0.4144

■ 32.5958, 0.3102,
0.3827

■ 34.4684, 0.3115,
0.3542

Harmonies

Analogous

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



26.1944, 0.4184, 0.5543



26.1944, 0.3000, 0.6000



26.1944, 0.1901, 0.4935

Triad

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



26.1944, 0.3000, 0.6000



26.1944, 0.1166, 0.1500



26.1944, 0.5431, 0.2874

Complementary

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



26.1944, 0.3000, 0.6000



10.4308, 0.3209, 0.1542

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.



26.1944, 0.4125, 0.2170



26.1944, 0.3000, 0.6000



26.1944, 0.1679, 0.1426

Square

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



26.1944, 0.3000, 0.6000



26.1944, 0.1014, 0.1978



26.1944, 0.2672, 0.1657



26.1944, 0.5793, 0.3653

Rectangle

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



26.1944, 0.3000, 0.6000



26.1944, 0.1385, 0.3690



26.1944, 0.2672, 0.1657



26.1944, 0.5072, 0.2628

Sweetspot

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



26.1955, 0.3000, 0.6000



55.3657, 0.3086, 0.4162



33.9823, 0.4193, 0.5053



12.2089, 0.3080, 0.4297



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.1955, 0.3000, 0.6000



46.9122, 0.3000, 0.6000



26.7971, 0.2720, 0.4992



7.8951, 0.3116, 0.3522



20.3580, 0.3000, 0.6000



0.4278, 0.3000, 0.6000

Inverse Universe

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



10.4308, 0.3209, 0.1542



18.6800, 0.3209, 0.1542



8.3885, 0.4940, 0.2495



7.2022, 0.3138, 0.3068



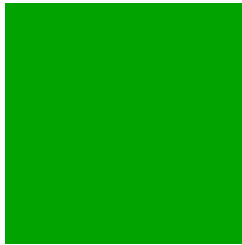
8.1063, 0.3209, 0.1542



0.1703, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 26.1944, 0.3000, 0.6000 looks on a white background.

Color Contrast Check

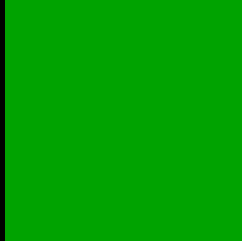
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1944, 0.3000, 0.6000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

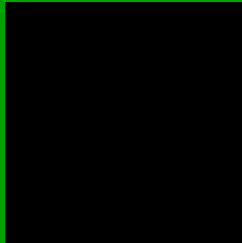
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

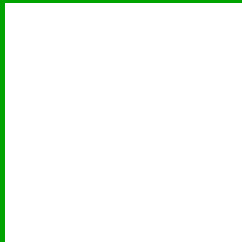
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.1944, 0.3000, 0.6000

Background



This preview shows how black text looks on a background with the Yxy color 26.1944, 0.3000, 0.6000.



This preview shows how white text looks on a background with the Yxy color 26.1944, 0.3000, 0.6000.

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

26.1944, 0.3000, 0.6000

Protanopia

25.9243, 0.4394, 0.4893

Deuteranopia

25.7378, 0.4591, 0.4504



Tritanopia

26.3658, 0.2367, 0.3072

Trichromacy



Original Color

26.1944, 0.3000, 0.6000



Protanomaly

23.8891, 0.3642, 0.5490



Deuteranomaly

23.0824, 0.3760, 0.5252



Tritanomaly

25.2900, 0.2660, 0.4372

Monochromacy



Original Color

26.1944, 0.3000, 0.6000



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.7620, 0.3058, 0.4760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1944, 0.3000, 0.6000 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, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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(0, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.1944, 0.3000, 0.6000 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, 163, 0) }
```

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

```
.border{ border-color:rgb(0, 163, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 163, 0); box-shadow:4px  
4px 4px 4px rgb(0, 163, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1944, 0.3000, 0.6000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 0) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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