

Converting Colors

$Y_{xy}(9.8159, 0.3033, 0.5560)$

Have a look what the booklet for
Yxy(9.8159, 0.3033, 0.5560)
contains.

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Color

Yxy(9.7883, 0.3035, 0.5561)

Conversions

Conversions Part 1

Format	Color
Hex	1A6618
RGB	26, 102, 24
RGB Percent	10%, 40%, 9%
CMY	0.8980, 0.6000, 0.9059
CMYK	0.75, 0.00, 0.76, 0.60
HSL	118°, 62%, 25%
HSV	118°, 76%, 40%
XYZ	5.3421, 9.7883, 2.4713
YIQ	70.3840, -20.2580, -40.3700

Conversions

Conversions Part 2

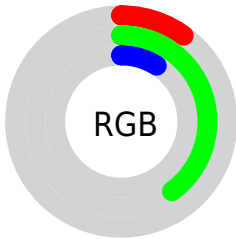
Format	Color
R_{YB}	24, 102, 100
Decimal	1730072
CIE Lab	37.46, -38.90, 35.55
CIE LCh	37, 52.697, 137.583
Yxy	9.7883, 0.3035, 0.5561
Android (android.graphics.Color)	4279920152 (0xFF1A6618)
YUV	70.3840, -22.8673, -38.9248
Hunter-Lab	31.2863, -24.2722, 17.2171

Details

The Yxy color **9.7883, 0.3035, 0.5561** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3213, 0.3156, 0.1709**, and the grayscale version is **6.2336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.4312, 0.3133, 0.4880**, and **2.6383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **9.6450, 0.3022, 0.5778**, and if you desaturate by 10%, it is **9.9937, 0.3050, 0.5283**.

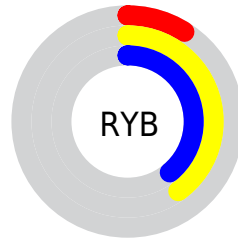
Distribution



Red (10%)

Green (40%)

Blue (9%)



Red (9%)

Yellow (40%)

Blue (39%)

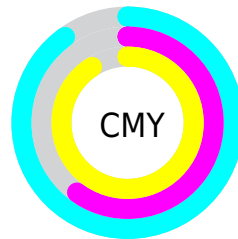


Cyan (75%)

Magenta (0%)

Yellow (76%)

Black (60%)



Cyan (90%)


Magenta (60%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 9.7883, 0.3035, 0.5561 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 9.7883, 0.3035, 0.5561 by changing the saturation by 10% instead.


 9.7883, 0.3035,
0.5561


 9.7883, 0.3035,
0.5561


189.1544, 0.3172,
0.4056


 5.2588, 0.2901,
0.6136

 25.3965, 0.3134,
0.4886


 2.3999, 0.2701,
0.7299


 37.2441, 0.3152,
0.4675

 0.8258, 0.0000,
1.0000

 52.2998, 0.3162,
0.4512

 0.0000, 0.0000,
0.0000

 70.9481, 0.3168,
0.4383

 93.5733, 0.3171,
0.4278

 120.5598, 0.3172,

0.4191

152.2920, 0.3172,
0.4118

9.7883, 0.3035,
0.5561

9.7883, 0.3035,
0.5561

9.6450, 0.3022,
0.5778

9.9937, 0.3050,
0.5283

9.5506, 0.3013,
0.5936

10.2659, 0.3065,
0.4967

9.5201, 0.3011,
0.5991

10.6105, 0.3079,
0.4633

11.0320, 0.3092,
0.4302

11.5348, 0.3104,
0.3988

■ 12.1228, 0.3114,
0.3700

■ 12.7997, 0.3122,
0.3442

■ 13.5690, 0.3129,
0.3213

■ 14.4340, 0.3135,
0.3013

Harmonies

Analogous

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



9.7883, 0.4102, 0.5350



9.7883, 0.3035, 0.5561



9.7883, 0.2043, 0.4587

Triad

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



9.7883, 0.3035, 0.5561



9.7883, 0.1376, 0.1684



9.7883, 0.5151, 0.2999

Complementary

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



9.7883, 0.3035, 0.5561



4.3213, 0.3156, 0.1709

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.



9.7883, 0.4064, 0.2335



9.7883, 0.3035, 0.5561



9.7883, 0.1880, 0.1619

Square

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



9.7883, 0.3035, 0.5561



9.7883, 0.1222, 0.2125



9.7883, 0.2803, 0.1847



9.7883, 0.5471, 0.3743

Rectangle

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



9.7883, 0.3035, 0.5561



9.7883, 0.1573, 0.3579



9.7883, 0.2803, 0.1847



9.7883, 0.4853, 0.2766

Sweetspot

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



9.7887, 0.3035, 0.5561



20.5039, 0.3107, 0.3904



11.8909, 0.4114, 0.4822



4.7764, 0.3104, 0.3983



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



9.7887, 0.3035, 0.5561



16.7804, 0.3013, 0.5900



10.0277, 0.2715, 0.4572



3.1457, 0.3121, 0.3502



12.2236, 0.3010, 0.5992



63.6934, 0.3004, 0.5997

Inverse Universe

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



4.3213, 0.3156, 0.1709



6.6161, 0.3150, 0.1550



3.8664, 0.4203, 0.2398



2.8856, 0.3133, 0.3086



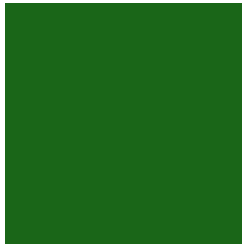
4.6635, 0.3148, 0.1508



24.2613, 0.3144, 0.1506

Previews

White Background



This preview shows how the Yxy color 9.7883, 0.3035, 0.5561 looks on a white 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 ✓ Pass

Black Background



This preview shows how the Yxy color 9.7883, 0.3035, 0.5561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

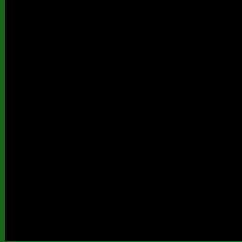
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 9.7883, 0.3035, 0.5561

Background



This preview shows how black text looks on a background with the Yxy color 9.7883, 0.3035, 0.5561.



This preview shows how white text looks on a background with the Yxy color 9.7883, 0.3035, 0.5561.

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

9.7883, 0.3035, 0.5561

Protanopia

9.6826, 0.4271, 0.4720

Deuteranopia

9.6058, 0.4428, 0.4347



Tritanopia

9.7921, 0.2435, 0.3073

Trichromacy



Original Color

9.7883, 0.3035, 0.5561

Protanomaly

9.2606, 0.3709, 0.5109

Deuteranomaly

9.0633, 0.3797, 0.4846

Tritanomaly

9.6809, 0.2681, 0.4006

Monochromacy



Original Color

9.7883, 0.3035, 0.5561

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.0759, 0.3099, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.7883, 0.3035, 0.5561 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(26, 102, 24)` looks like.

```
.text, #text, p{  
    color:rgb(26, 102, 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(26, 102, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 102, 24) }
```

Border

The CSS property to change the border of an element to Yxy 9.7883, 0.3035, 0.5561 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(26, 102, 24) }
```

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

```
.border{ border-color:rgb(26, 102, 24) }
```

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

Here you see how a box with a 4 pixel rgb(26, 102, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 102, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 102, 24);  
box-shadow:4px 4px 4px 4px rgb(26, 102,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 9.7883, 0.3035, 0.5561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 102, 24) }
```

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

```
.background{ background-color: rgb(26, 102,  
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](#).

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