

Converting Colors

$Y_{xy}(10.5270, 0.2742, 0.4894)$

Have a look what the booklet for
Yxy(10.5270, 0.2742, 0.4894)
contains.

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Color

Yxy(10.4458, 0.2741, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	0D6935
RGB	13, 105, 53
RGB Percent	5%, 41%, 21%
CMY	0.9487, 0.5882, 0.7921
CMYK	0.88, 0.00, 0.50, 0.59
HSL	146°, 78%, 23%
HSV	146°, 88%, 41%
XYZ	5.8612, 10.4458, 5.0764
YIQ	71.5640, -38.1400, -35.6760

Conversions

Conversions Part 2

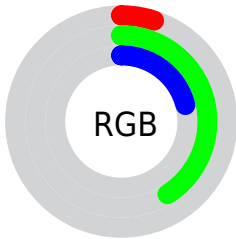
Format	Color
RYB	13, 77, 105
Decimal	878901
CIELab	38.63, -37.94, 22.21
CIElCh	39, 43.961, 149.657
Yxy	10.4458, 0.2741, 0.4885
Android (android.graphics.Color)	4279068981 (0xFF0D6935)
YUV	71.5640, -9.1521, -51.3606
Hunter-Lab	32.3200, -24.1891, 13.3114

Details

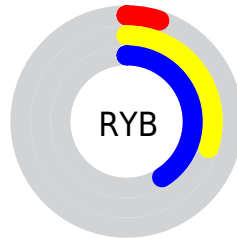
The Yxy color **10.4458, 0.2741, 0.4885** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6756, 0.4340, 0.2303**, and the grayscale version is **6.4271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5900, 0.2874, 0.4395**, and **2.8459, 0.2912, 0.5685** is the 20% darker color. If you saturate the color by 10%, you get **10.3254, 0.2755, 0.5082**, and if you desaturate by 10%, it is **10.6072, 0.2738, 0.4680**.

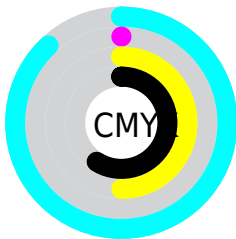
Distribution



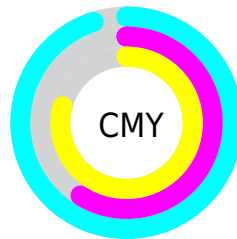
- Red (5%)
- Green (41%)
- Blue (21%)



- Red (5%)
- Yellow (30%)
- Blue (41%)



- Cyan (88%)
- Magenta (0%)
- Yellow (50%)
- Black (59%)





- Cyan (95%)
- Magenta (59%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4458, 0.2741, 0.4885 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 10.4458, 0.2741, 0.4885 by changing the saturation by 10% instead.


 10.4458, 0.2741,
0.4885


 10.4458, 0.2741,
0.4885


193.8249, 0.3016,
0.3831


 5.6955, 0.2610,
0.5309

 26.6307, 0.2875,
0.4407


 2.6608, 0.2383,
0.6043


 38.8341, 0.2913,
0.4260

 0.9573, 0.0000,
1.0000

 54.2907, 0.2941,
0.4147


 0.0000, 0.0000,
0.0000


 73.3848, 0.2963,
0.4058


 96.5009, 0.2980,
0.3985

 124.0234, 0.2995,

0.3925


 156.3366, 0.3006,
0.3874

 10.4458, 0.2741,
0.4885


 10.4458, 0.2741,
0.4885


 10.3254, 0.2755,
0.5082

 10.6072, 0.2738,
0.4680

 10.2971, 0.2758,
0.5129

 10.8247, 0.2753,
0.4471

 11.1040, 0.2783,
0.4264

 11.4499, 0.2826,
0.4063

 11.8666, 0.2879,
0.3873

■ 12.3580, 0.2940,
0.3697

■ 12.9277, 0.3006,
0.3536

■ 13.5789, 0.3075,
0.3390

■ 14.3150, 0.3144,
0.3259

Harmonies

Analogous

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



10.4458, 0.3664, 0.5156



10.4458, 0.2741, 0.4885



10.4458, 0.1973, 0.3859

Triad

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



10.4458, 0.2741, 0.4885



10.4458, 0.1760, 0.1858



10.4458, 0.4995, 0.3347

Complementary

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



10.4458, 0.2741, 0.4885



3.6756, 0.4340, 0.2303

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.



10.4458, 0.4309, 0.2713



10.4458, 0.2741, 0.4885



10.4458, 0.2354, 0.1900

Square

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



10.4458, 0.2741, 0.4885



10.4458, 0.1499, 0.2122



10.4458, 0.3275, 0.2201



10.4458, 0.5028, 0.4036

Rectangle

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



10.4458, 0.2741, 0.4885



10.4458, 0.1653, 0.3107



10.4458, 0.3275, 0.2201



10.4458, 0.4832, 0.3128

Sweetspot

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



10.4462, 0.2741, 0.4885



22.2048, 0.2945, 0.3684



11.2617, 0.3526, 0.5428



5.1475, 0.2929, 0.3725



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.4462, 0.2741, 0.4885



18.4153, 0.2772, 0.5179



11.0875, 0.2328, 0.3457



3.4646, 0.3065, 0.3410



13.0312, 0.2764, 0.5151



66.2315, 0.2792, 0.5252

Inverse Universe

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



3.6756, 0.4340, 0.2303



5.9261, 0.4640, 0.2330



3.3409, 0.5867, 0.3219



3.1428, 0.3195, 0.3173



4.2002, 0.4612, 0.2314



21.2249, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 10.4458, 0.2741, 0.4885 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 × Fail

Black Background



This preview shows how the Yxy color 10.4458, 0.2741, 0.4885 looks on a black 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

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

Yxy 10.4458, 0.2741, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 10.4458, 0.2741, 0.4885.



This preview shows how white text looks on a background with the Yxy color 10.4458, 0.2741, 0.4885.

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

10.4458, 0.2741, 0.4885

Protanopia

10.4049, 0.3932, 0.4293

Deuteranopia

10.3731, 0.3984, 0.3943



Tritanopia

10.4775, 0.2370, 0.3077

Trichromacy



Original Color

10.4458, 0.2741, 0.4885

Protanomaly

9.8250, 0.3321, 0.4569

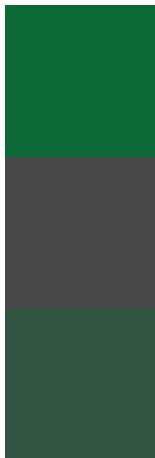
Deuteranomaly

9.7468, 0.3349, 0.4329

Tritanomaly

10.2868, 0.2490, 0.3692

Monochromacy



Original Color

10.4458, 0.2741, 0.4885

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4261, 0.2880, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4458, 0.2741, 0.4885 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(13, 105, 53)` looks like.

```
.text, #text, p{  
  color:rgb(13, 105, 53)  
}
```

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(13, 105, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 105, 53) }
```

Border

The CSS property to change the border of an element to Yxy 10.4458, 0.2741, 0.4885 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(13, 105, 53) }
```

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

```
.border{ border-color:rgb(13, 105, 53) }
```

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

Here you see how a box with a 4 pixel rgb(13, 105, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 105, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 105, 53);  
box-shadow:4px 4px 4px 4px rgb(13, 105,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4458, 0.2741, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 105, 53) }
```

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

```
.background{ background-color: rgb(13, 105,  
53) }
```

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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