

Converting Colors

$Y_{xy}(12.6064, 0.2745, 0.4971)$

Have a look what the booklet for
Yxy(12.6064, 0.2745, 0.4971)
contains.

Yxy(12.6115, 0.2745, 0.4967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6115, 0.2745, 0.4967)

Conversions

Conversions Part 1

Format	Color
Hex	0A7338
RGB	10, 115, 56
RGB Percent	4%, 45%, 22%
CMY	0.9608, 0.5490, 0.7804
CMYK	0.91, 0.00, 0.51, 0.55
HSL	146°, 84%, 25%
HSV	146°, 91%, 45%
XYZ	6.9697, 12.6115, 5.8094
YIQ	76.8790, -43.6410, -40.6090

Conversions

Conversions Part 2

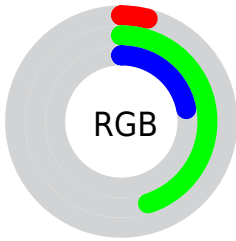
Format	Color
R_{YB}	10, 83, 115
Decimal	684856
CIE _{Lab}	42.17, -41.46, 25.00
CIE _{LCh}	42, 48.417, 148.907
Yxy	12.6115, 0.2745, 0.4967
Android (android.graphics.Color)	4278874936 (0xFF0A7338)
YUV	76.8790, -10.2933, -58.6529
Hunter-Lab	35.5127, -27.1148, 15.1599

Details

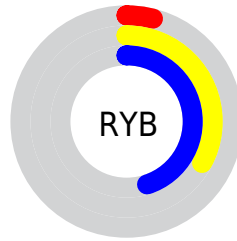
The Yxy color **12.6115, 0.2745, 0.4967** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2912, 0.4445, 0.2312**, and the grayscale version is **7.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6244, 0.2879, 0.4488**, and **3.8048, 0.2910, 0.5676** is the 20% darker color. If you saturate the color by 10%, you get **12.4957, 0.2760, 0.5135**, and if you desaturate by 10%, it is **12.7797, 0.2734, 0.4765**.

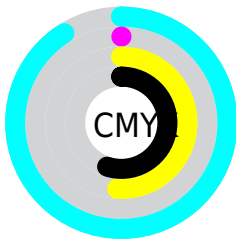
Distribution



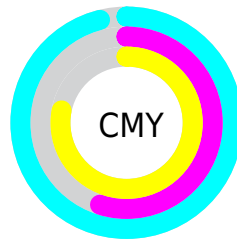
- Red (4%)
- Green (45%)
- Blue (22%)



- Red (4%)
- Yellow (33%)
- Blue (45%)



- Cyan (91%)
- Magenta (0%)
- Yellow (51%)
- Black (55%)





- Cyan (96%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6115, 0.2745, 0.4967 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 12.6115, 0.2745, 0.4967 by changing the saturation by 10% instead.


 12.6115, 0.2745,
0.4967


 12.6115, 0.2745,
0.4967


208.4126, 0.3016,
0.3881


 7.1616, 0.2621,
0.5379


 30.6040, 0.2875,
0.4486


 3.5634, 0.2400,
0.6034

 43.9154, 0.2913,
0.4334

 1.4324, 0.1579,
0.8421

 60.6161, 0.2941,
0.4216

 0.2404, 0.0000,
1.0000


 81.0905, 0.2963,
0.4122


 0.0000, 0.0000,
0.0000


 105.7229, 0.2981,
0.4045

 134.8978, 0.2995,

0.3981


 168.9996, 0.3006,
0.3927


 12.6115, 0.2745,
0.4967


 12.6115, 0.2745,
0.4967


 12.4957, 0.2760,
0.5135

 12.7797, 0.2734,
0.4765

 13.0139, 0.2741,
0.4556

 13.3216, 0.2765,
0.4347

 13.7093, 0.2803,
0.4142

 14.1823, 0.2854,
0.3947

■ 14.7457, 0.2913,
0.3764

■ 15.4043, 0.2978,
0.3596

■ 16.1622, 0.3047,
0.3444

■ 17.0235, 0.3118,
0.3307

Harmonies

Analogous

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



12.6115, 0.3693, 0.5214



12.6115, 0.2745, 0.4967



12.6115, 0.1952, 0.3909

Triad

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



12.6115, 0.2745, 0.4967



12.6115, 0.1713, 0.1822



12.6115, 0.5046, 0.3323

Complementary

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



12.6115, 0.2745, 0.4967



4.2912, 0.4445, 0.2312

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.



12.6115, 0.4323, 0.2679



12.6115, 0.2745, 0.4967



12.6115, 0.2310, 0.1860

Square

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



12.6115, 0.2745, 0.4967



12.6115, 0.1455, 0.2097



12.6115, 0.3251, 0.2161



12.6115, 0.5089, 0.4026

Rectangle

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



12.6115, 0.2745, 0.4967



12.6115, 0.1620, 0.3122



12.6115, 0.3251, 0.2161



12.6115, 0.4874, 0.3100

Sweetspot

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



12.6120, 0.2745, 0.4967



26.8094, 0.2936, 0.3702



13.5672, 0.3514, 0.5495



6.3247, 0.2919, 0.3747



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.6120, 0.2745, 0.4967



22.3492, 0.2773, 0.5181



13.4091, 0.2317, 0.3467



4.1224, 0.3063, 0.3412



14.2805, 0.2763, 0.5147



69.4244, 0.2789, 0.5242

Inverse Universe

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



4.2912, 0.4445, 0.2312



7.1750, 0.4670, 0.2346



3.9022, 0.6026, 0.3230



3.7321, 0.3197, 0.3171



4.5935, 0.4635, 0.2327



22.2102, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 12.6115, 0.2745, 0.4967 looks on a white background.

Color Contrast Check

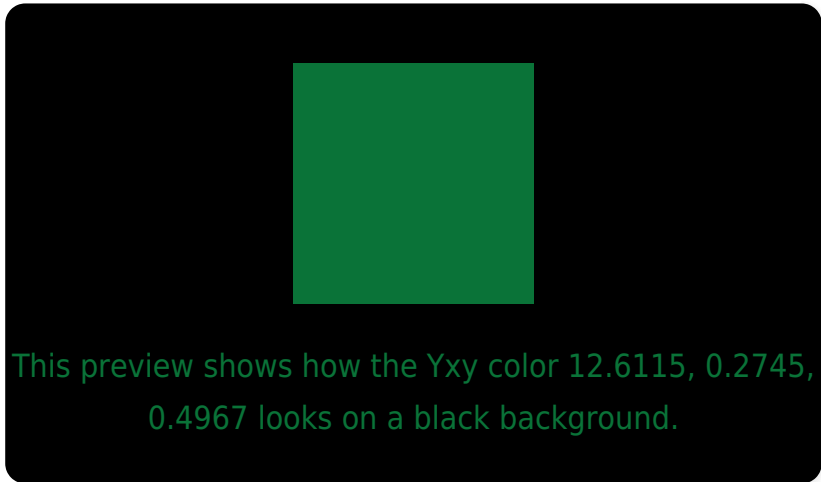
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.6115, 0.2745, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 12.6115, 0.2745, 0.4967.



This preview shows how white text looks on a background with the Yxy color 12.6115, 0.2745, 0.4967.

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

12.6115, 0.2745, 0.4967

Protanopia

12.4777, 0.3975, 0.4317

Deuteranopia

12.5144, 0.4044, 0.3991



Tritanopia

12.5674, 0.2357, 0.3067

Trichromacy



Original Color

12.6115, 0.2745, 0.4967

Protanomaly

11.8160, 0.3336, 0.4628

Deuteranomaly

11.5240, 0.3369, 0.4387

Tritanomaly

12.5022, 0.2480, 0.3716

Monochromacy



Original Color

12.6115, 0.2745, 0.4967

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.6687, 0.2866, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6115, 0.2745, 0.4967 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(10, 115, 56)` looks like.

```
.text, #text, p{  
    color:rgb(10, 115, 56)  
}
```

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(10, 115, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 115, 56) }
```

Border

The CSS property to change the border of an element to Yxy 12.6115, 0.2745, 0.4967 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(10, 115, 56) }
```

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

```
.border{ border-color:rgb(10, 115, 56) }
```

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

Here you see how a box with a 4 pixel rgb(10, 115, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 115, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 115, 56);  
box-shadow:4px 4px 4px 4px rgb(10, 115,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6115, 0.2745, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 115, 56) }
```

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

```
.background{ background-color: rgb(10, 115,  
56) }
```

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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