

Converting Colors

$Y_{xy}(12.5836, 0.2956, 0.5762)$

Have a look what the booklet for
Yxy(12.5836, 0.2956, 0.5762)
contains.

Yxy(12.5836, 0.2956, 0.5762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5836, 0.2956, 0.5762)

Conversions

Conversions Part 1

Format	Color
Hex	067415
RGB	6, 116, 21
RGB Percent	2%, 45%, 8%
CMY	0.9767, 0.5451, 0.9175
CMYK	0.95, 0.00, 0.82, 0.55
HSL	128°, 90%, 24%
HSV	128°, 95%, 45%
XYZ	6.4556, 12.5836, 2.7998
YIQ	72.2800, -35.0650, -52.8650

Conversions

Conversions Part 2

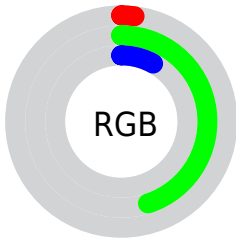
Format	Color
RYB	6, 103, 116
Decimal	422933
CIELab	42.13, -46.55, 41.19
CIElCh	42, 62.160, 138.497
Yxy	12.5836, 0.2956, 0.5762
Android (android.graphics.Color)	4278613013 (0xFF067415)
YUV	72.2800, -25.2810, -58.1276
Hunter-Lab	35.4734, -29.5942, 20.1519

Details

The Yxy color **12.5836, 0.2956, 0.5762** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.7802, 0.3547, 0.1764**, and the grayscale version is **6.5784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4635, 0.3083, 0.5077**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.5286, 0.2957, 0.5844**, and if you desaturate by 10%, it is **12.7149, 0.2948, 0.5565**.

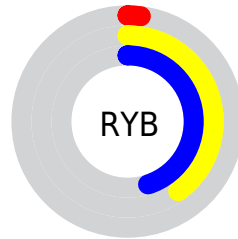
Distribution



Red (2%)

Green (45%)

Blue (8%)



Red (2%)

Yellow (40%)

Blue (45%)

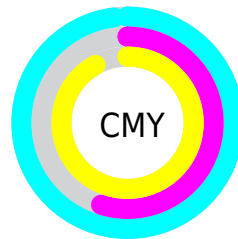


Cyan (95%)

Magenta (0%)

Yellow (82%)

Black (55%)



Cyan (98%)


Magenta (55%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5836, 0.2956, 0.5762 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 12.5836, 0.2956, 0.5762 by changing the saturation by 10% instead.


 12.5836, 0.2956,
0.5762


 12.5836, 0.2956,
0.5762


208.2315, 0.3156,
0.4167


 7.1424, 0.2802,
0.6319


 30.5536, 0.3084,
0.5070


 3.5513, 0.2592,
0.7408

 43.8513, 0.3111,
0.4845

 1.4259, 0.0893,
0.9107

 60.5366, 0.3128,
0.4670

 0.2357, 0.0000,
1.0000

 80.9940, 0.3139,
0.4529


 0.0000, 0.0000,
0.0000


 105.6077, 0.3146,
0.4414


 134.7623, 0.3151,


0.4318


 168.8421, 0.3154,
0.4237


 12.5836, 0.2956,
0.5762


 12.5836, 0.2956,
0.5762


 12.5286, 0.2957,
0.5844

 12.7149, 0.2948,
0.5565

 12.9153, 0.2947,
0.5317

 13.1973, 0.2955,
0.5032

 13.5686, 0.2971,
0.4730

 14.0358, 0.2994,
0.4425

■ 14.6051, 0.3022,
0.4132

■ 15.2821, 0.3051,
0.3859

■ 16.0719, 0.3082,
0.3611

■ 16.9794, 0.3113,
0.3389

Harmonies

Analogous

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



12.5836, 0.4085, 0.5497



12.5836, 0.2956, 0.5762



12.5836, 0.1922, 0.4662

Triad

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



12.5836, 0.2956, 0.5762



12.5836, 0.1287, 0.1577



12.5836, 0.5339, 0.2980

Complementary

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



12.5836, 0.2956, 0.5762



4.7802, 0.3547, 0.1764

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.



12.5836, 0.4177, 0.2288



12.5836, 0.2956, 0.5762



12.5836, 0.1820, 0.1526

Square

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



12.5836, 0.2956, 0.5762



12.5836, 0.1115, 0.2010



12.5836, 0.2808, 0.1772



12.5836, 0.5625, 0.3749

Rectangle

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



12.5836, 0.2956, 0.5762



12.5836, 0.1446, 0.3540



12.5836, 0.2808, 0.1772



12.5836, 0.5027, 0.2738

Sweetspot

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



12.5841, 0.2956, 0.5762



26.3823, 0.3040, 0.3961



15.2902, 0.3963, 0.5187



6.1956, 0.3029, 0.4057



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.



12.5841, 0.2956, 0.5762



22.0094, 0.2965, 0.5873



13.0468, 0.2576, 0.4415



4.1056, 0.3100, 0.3478



14.0573, 0.2959, 0.5851



68.4261, 0.2975, 0.5909

Inverse Universe

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



4.7802, 0.3547, 0.1764



8.1337, 0.3582, 0.1747



4.0420, 0.5249, 0.2732



3.7497, 0.3156, 0.3109



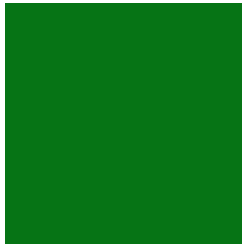
5.1995, 0.3574, 0.1743



25.2445, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 12.5836, 0.2956, 0.5762 looks on a white background.

Color Contrast Check

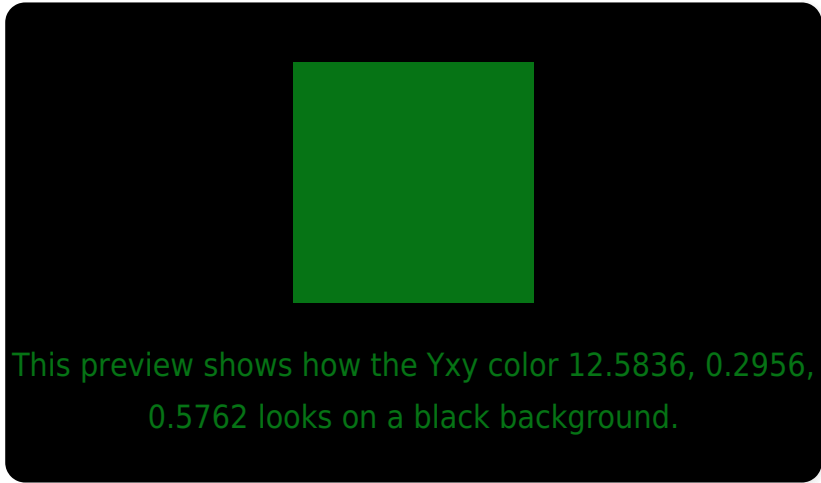
Large Text (above 18pt) WCAG AA ✓ Pass

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

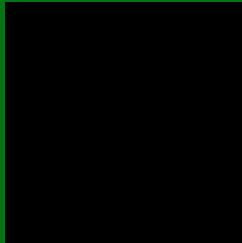
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5836, 0.2956, 0.5762

Background



This preview shows how black text looks on a background with the Yxy color 12.5836, 0.2956, 0.5762.



This preview shows how white text looks on a background with the Yxy color 12.5836, 0.2956, 0.5762.

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

12.5836, 0.2956, 0.5762

Protanopia

12.4089, 0.4327, 0.4775

Deuteranopia

12.3948, 0.4481, 0.4416



Tritanopia

12.6379, 0.2378, 0.3069

Trichromacy



Original Color

12.5836, 0.2956, 0.5762



Protanomaly

11.5633, 0.3618, 0.5290



Deuteranomaly

11.3359, 0.3707, 0.5030



Tritanomaly

12.3014, 0.2605, 0.4090

Monochromacy



Original Color

12.5836, 0.2956, 0.5762



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.8649, 0.3003, 0.4413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5836, 0.2956, 0.5762 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(6, 116, 21)` looks like.

```
.text, #text, p{  
    color:rgb(6, 116, 21)  
}
```

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(6, 116, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 116, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.5836, 0.2956, 0.5762 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(6, 116, 21) }
```

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

```
.border{ border-color:rgb(6, 116, 21) }
```

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

Here you see how a box with a 4 pixel rgb(6, 116, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 116, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 116, 21);  
box-shadow:4px 4px 4px 4px rgb(6, 116, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5836, 0.2956, 0.5762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 116, 21) }
```

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

```
.background{ background-color: rgb(6, 116,  
21) }
```

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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