

Converting Colors

$Y_{xy}(12.9137, 0.2651, 0.4774)$

Have a look what the booklet for
Yxy(12.9137, 0.2651, 0.4774)
contains.

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Color

Yxy(12.8609, 0.2657, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	007440
RGB	0, 116, 64
RGB Percent	0%, 45%, 25%
CMY	1.0000, 0.5451, 0.7490
CMYK	1.00, 0.00, 0.45, 0.55
HSL	153°, 100%, 23%
HSV	153°, 100%, 45%
XYZ	7.1698, 12.8609, 6.9540
YIQ	75.3880, -52.4440, -40.7640

Conversions

Conversions Part 2

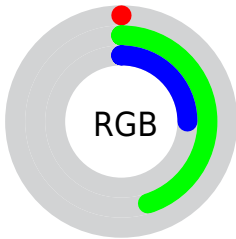
Format	Color
RYB	0, 75, 116
Decimal	29760
CIELab	42.55, -41.12, 21.01
CIELCh	43, 46.175, 152.936
Yxy	12.8609, 0.2657, 0.4766
Android (android.graphics.Color)	4278219840 (0xFF007440)
YUV	75.3880, -5.6143, -66.1153
Hunter-Lab	35.8621, -27.0716, 13.6067

Details

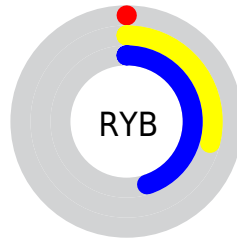
The Yxy color **12.8609, 0.2657, 0.4766** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9613, 0.5084, 0.2575**, and the grayscale version is **7.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0416, 0.2806, 0.4352**, and **3.9469, 0.2828, 0.5380** is the 20% darker color. If you saturate the color by 10%, you get **12.8619, 0.2657, 0.4766**, and if you desaturate by 10%, it is **12.9993, 0.2645, 0.4602**.

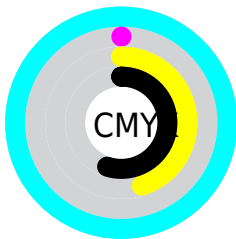
Distribution



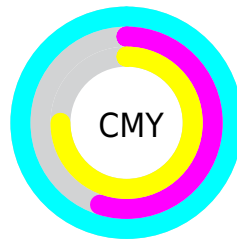
- Red (0%)
- Green (45%)
- Blue (25%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8609, 0.2657, 0.4766 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 12.8609, 0.2657, 0.4766 by changing the saturation by 10% instead.


 12.8609, 0.2657,
0.4766

 12.8609, 0.2657,
0.4766

210.0243, 0.2971,
0.3815


 7.3328, 0.2528,
0.5126


 31.0537, 0.2801,
0.4346


 3.6711, 0.2310,
0.5703

 44.4871, 0.2845,
0.4213

 1.4913, 0.1711,
0.8049

 61.3245, 0.2878,
0.4110

 0.2826, 0.0000,
1.0000


 81.9503, 0.2905,
0.4027


 0.0000, 0.0000,
0.0000

 106.7487, 0.2926,
0.3960


 136.1043, 0.2944,


0.3903


 170.4013, 0.2959,
0.3856


 12.8609, 0.2657,
0.4766

 12.8609, 0.2657,
0.4766


 12.8619, 0.2657,
0.4766

 12.9993, 0.2645,
0.4602

 13.1762, 0.2644,
0.4435

 13.4190, 0.2660,
0.4267

 13.7347, 0.2694,
0.4102

 14.1296, 0.2744,
0.3942

■ 14.6091, 0.2806,
0.3790

■ 15.1781, 0.2878,
0.3648

■ 15.8411, 0.2957,
0.3517

■ 16.6025, 0.3041,
0.3398

Harmonies

Analogous

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



12.8609, 0.3562, 0.5131



12.8609, 0.2657, 0.4766



12.8609, 0.1932, 0.3723

Triad

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



12.8609, 0.2657, 0.4766



12.8609, 0.1829, 0.1871



12.8609, 0.4995, 0.3424

Complementary

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



12.8609, 0.2657, 0.4766



3.9613, 0.5084, 0.2575

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.



12.8609, 0.4384, 0.2788



12.8609, 0.2657, 0.4766



12.8609, 0.2453, 0.1942

Square

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



12.8609, 0.2657, 0.4766



12.8609, 0.1536, 0.2098



12.8609, 0.3386, 0.2265



12.8609, 0.4962, 0.4107

Rectangle

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



12.8609, 0.2657, 0.4766



12.8609, 0.1642, 0.3005



12.8609, 0.3386, 0.2265



12.8609, 0.4859, 0.3204

Sweetspot

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



12.8619, 0.2657, 0.4766



26.5964, 0.2872, 0.3658



13.2273, 0.3329, 0.5739



6.2619, 0.2848, 0.3704



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.



12.8619, 0.2657, 0.4766



22.5811, 0.2668, 0.4804



12.4571, 0.2206, 0.3140



4.1289, 0.3049, 0.3387



14.4291, 0.2660, 0.4775



70.1400, 0.2683, 0.4859

Inverse Universe

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



3.9613, 0.5084, 0.2575



6.9375, 0.5141, 0.2606



3.8392, 0.6338, 0.3349



3.7256, 0.3213, 0.3195



4.4415, 0.5097, 0.2582



21.4763, 0.5221, 0.2650

Previews

White Background



This preview shows how the Yxy color 12.8609, 0.2657, 0.4766 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 12.8609, 0.2657, 0.4766 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 12.8609, 0.2657, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 12.8609, 0.2657, 0.4766.



This preview shows how white text looks on a background with the Yxy color 12.8609, 0.2657, 0.4766.

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

12.8609, 0.2657, 0.4766

Protanopia

12.7348, 0.3875, 0.4199

Deuteranopia

12.7885, 0.3916, 0.3851



Tritanopia

12.9974, 0.2339, 0.3070

Trichromacy



Original Color

12.8609, 0.2657, 0.4766

Protanomaly

11.9364, 0.3198, 0.4494

Deuteranomaly

11.6422, 0.3207, 0.4222

Tritanomaly

12.7222, 0.2426, 0.3632

Monochromacy



Original Color

12.8609, 0.2657, 0.4766

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.3956, 0.2774, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8609, 0.2657, 0.4766 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, 116, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 64)  
}
```

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, 116, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 64) }
```

Border

The CSS property to change the border of an element to Yxy 12.8609, 0.2657, 0.4766 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, 116, 64) }
```

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

```
.border{ border-color:rgb(0, 116, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8609, 0.2657, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 64) }
```

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

```
.background{ background-color: rgb(0, 116,  
64) }
```

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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