

Converting Colors

$Y_{xy}(10.8703, 0.1826, 0.4275)$

Have a look what the booklet for
Yxy(10.8703, 0.1826, 0.4275)
contains.

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Color

Yxy(12.1975, 0.2483, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	007052
RGB	0, 112, 82
RGB Percent	0%, 44%, 32%
CMY	1.0000, 0.5608, 0.6785
CMYK	1.00, 0.00, 0.27, 0.56
HSL	164°, 100%, 22%
HSV	164°, 100%, 44%
XYZ	7.3156, 12.1975, 9.9495
YIQ	75.0920, -57.1220, -33.0740

Conversions

Conversions Part 2

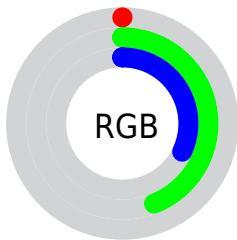
Format	Color
RYB	0, 65, 112
Decimal	28754
CIELab	41.53, -35.28, 9.10
CIELCh	42, 36.436, 165.531
Yxy	12.1975, 0.2483, 0.4140
Android (android.graphics.Color)	4278218834 (0xFF007052)
YUV	75.0920, 3.4056, -65.8557
Hunter-Lab	34.9249, -23.7291, 7.5567

Details

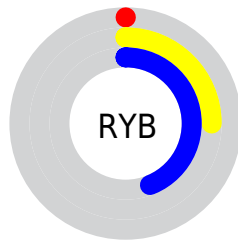
The Yxy color **12.1975, 0.2483, 0.4140** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5390, 0.5763, 0.2948**, and the grayscale version is **7.0555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0048, 0.2661, 0.3919**, and **3.6886, 0.2590, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **12.1988, 0.2483, 0.4140**, and if you desaturate by 10%, it is **12.3181, 0.2487, 0.4043**.

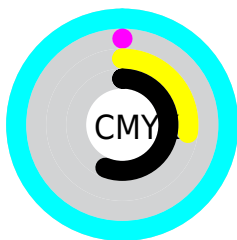
Distribution



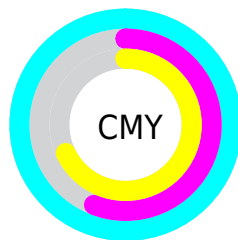
- Red (0%)
- Green (44%)
- Blue (32%)



- Red (0%)
- Yellow (25%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1975, 0.2483, 0.4140 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 12.1975, 0.2483, 0.4140 by changing the saturation by 10% instead.

12.1975, 0.2483,
0.4140

12.1975, 0.2483,
0.4140

205.7084, 0.2884,
0.3601

6.8783, 0.2340,
0.4340

29.8543, 0.2655,
0.3904

3.3861, 0.2118,
0.4662

42.9607, 0.2711,
0.3829

1.3365, 0.1441,
0.5474

59.4317, 0.2755,
0.3771

0.1692, 0.0000,
1.0000

79.6516, 0.2791,
0.3723


0.0000, 0.0000,
0.0000


104.0048, 0.2820,
0.3685


132.8758, 0.2845,


0.3652


 166.6489, 0.2866,
0.3625


 12.1975, 0.2483,
0.4140


 12.1975, 0.2483,
0.4140


 12.1988, 0.2483,
0.4140

 12.3181, 0.2487,
0.4043

 12.4694, 0.2500,
0.3948

 12.6784, 0.2531,
0.3852

 12.9513, 0.2579,
0.3758

 13.2937, 0.2644,
0.3668

■ 13.7104, 0.2723,
0.3581

■ 14.2059, 0.2813,
0.3499

■ 14.7844, 0.2912,
0.3423

■ 15.4495, 0.3017,
0.3354

Harmonies

Analogous

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



12.1975, 0.3204, 0.4700



12.1975, 0.2483, 0.4140



12.1975, 0.1975, 0.3285

Triad

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



12.1975, 0.2483, 0.4140



12.1975, 0.2237, 0.2097



12.1975, 0.4701, 0.3686

Complementary

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



12.1975, 0.2483, 0.4140



3.5390, 0.5763, 0.2948

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.



12.1975, 0.4402, 0.3113



12.1975, 0.2483, 0.4140



12.1975, 0.2883, 0.2249

Square

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



12.1975, 0.2483, 0.4140



12.1975, 0.1862, 0.2192



12.1975, 0.3695, 0.2609



12.1975, 0.4506, 0.4255

Rectangle

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



12.1975, 0.2483, 0.4140



12.1975, 0.1805, 0.2782



12.1975, 0.3695, 0.2609



12.1975, 0.4658, 0.3492

Sweetspot

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



12.1988, 0.2483, 0.4140



24.8797, 0.2805, 0.3505



11.8926, 0.3154, 0.5878



5.9061, 0.2775, 0.3532



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.1988, 0.2483, 0.4140



21.4069, 0.2490, 0.4164



8.1066, 0.2058, 0.2610



3.8007, 0.3028, 0.3347



14.0971, 0.2485, 0.4147



70.0747, 0.2500, 0.4199

Inverse Universe

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



3.5390, 0.5763, 0.2948



6.1977, 0.5826, 0.2983



4.1095, 0.6075, 0.3559



3.4148, 0.3237, 0.3234



4.0873, 0.5781, 0.2958



20.2346, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 12.1975, 0.2483, 0.4140 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 12.1975, 0.2483, 0.4140 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 12.1975, 0.2483, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 12.1975, 0.2483, 0.4140.



This preview shows how white text looks on a background with the Yxy color 12.1975, 0.2483, 0.4140.

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

12.1975, 0.2483, 0.4140

Protanopia

12.1864, 0.3552, 0.3815

Deuteranopia

12.1220, 0.3535, 0.3466



Tritanopia

12.3794, 0.2315, 0.3089

Trichromacy



Original Color

12.1975, 0.2483, 0.4140

Protanomaly

11.4088, 0.2937, 0.3955

Deuteranomaly

11.3028, 0.2915, 0.3706

Tritanomaly

12.1309, 0.2352, 0.3420

Monochromacy



Original Color

12.1975, 0.2483, 0.4140

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.1579, 0.2680, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1975, 0.2483, 0.4140 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, 112, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 82)  
}
```

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, 112, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 82) }
```

Border

The CSS property to change the border of an element to Yxy 12.1975, 0.2483, 0.4140 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, 112, 82) }
```

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

```
.border{ border-color:rgb(0, 112, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1975, 0.2483, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 82) }
```

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

```
.background{ background-color: rgb(0, 112,  
82) }
```

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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