

Converting Colors

$Y_{xy}(11.5796, 0.2104, 0.3962)$

Have a look what the booklet for
Yxy(11.5796, 0.2104, 0.3962)
contains.

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Color

Yxy(12.3265, 0.2416, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	00705A
RGB	0, 112, 90
RGB Percent	0%, 44%, 35%
CMY	1.0000, 0.5608, 0.6470
CMYK	1.00, 0.00, 0.20, 0.56
HSL	168°, 100%, 22%
HSV	168°, 100%, 44%
XYZ	7.6381, 12.3265, 11.6499
YIQ	76.0040, -59.6900, -30.5860

Conversions

Conversions Part 2

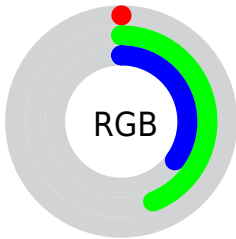
Format	Color
RYB	0, 62, 112
Decimal	28762
CIELab	41.73, -33.07, 4.59
CIELCh	42, 33.388, 172.103
Yxy	12.3265, 0.2416, 0.3899
Android (android.graphics.Color)	4278218842 (0xFF00705A)
YUV	76.0040, 6.9000, -66.6555
Hunter-Lab	35.1091, -22.6079, 4.9027

Details

The Yxy color **12.3265, 0.2416, 0.3899** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.5031, 0.5986, 0.3071**, and the grayscale version is **7.2242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2596, 0.2600, 0.3744**, and **3.7369, 0.2492, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **12.3280, 0.2416, 0.3899**, and if you desaturate by 10%, it is **12.4386, 0.2426, 0.3831**.

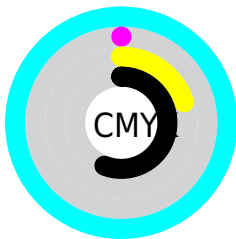
Distribution



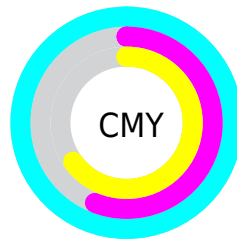
- Red (0%)
- Green (44%)
- Blue (35%)



- Red (0%)
- Yellow (24%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (65%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3265, 0.2416, 0.3899 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 12.3265, 0.2416, 0.3899 by changing the saturation by 10% instead.


 12.3265, 0.2416,
0.3899


 12.3265, 0.2416,
0.3899


206.5550, 0.2851,
0.3520


 6.9664, 0.2267,
0.4035


 30.0884, 0.2600,
0.3736


 3.4411, 0.2041,
0.4246

 43.2590, 0.2660,
0.3683

 1.3661, 0.1476,
0.4723

 59.8019, 0.2708,
0.3642

 0.1916, 0.0000,
1.0000


 80.1015, 0.2748,
0.3608

 0.0000, 0.0000,
0.0000


 104.5423, 0.2780,
0.3580

 133.5085, 0.2807,


0.3557

 167.3846, 0.2831,
0.3537


 12.3265, 0.2416,
0.3899


 12.3265, 0.2416,
0.3899


 12.3280, 0.2416,
0.3899

 12.4386, 0.2426,
0.3831

 12.5804, 0.2444,
0.3763

 12.7789, 0.2481,
0.3695

 13.0404, 0.2535,
0.3628

 13.3703, 0.2605,
0.3563

■ 13.7737, 0.2690,
0.3501

■ 14.2549, 0.2787,
0.3442

■ 14.8181, 0.2894,
0.3387

■ 15.4669, 0.3008,
0.3336

Harmonies

Analogous

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



12.3265, 0.3054, 0.4496



12.3265, 0.2416, 0.3899



12.3265, 0.1999, 0.3131

Triad

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



12.3265, 0.2416, 0.3899



12.3265, 0.2419, 0.2196



12.3265, 0.4569, 0.3790

Complementary

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



12.3265, 0.2416, 0.3899



3.5031, 0.5986, 0.3071

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.



12.3265, 0.4390, 0.3250



12.3265, 0.2416, 0.3899



12.3265, 0.3064, 0.2383

Square

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



12.3265, 0.2416, 0.3899



12.3265, 0.2009, 0.2235



12.3265, 0.3809, 0.2756



12.3265, 0.4312, 0.4295

Rectangle

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



12.3265, 0.2416, 0.3899



12.3265, 0.1878, 0.2706



12.3265, 0.3809, 0.2756



12.3265, 0.4561, 0.3609

Sweetspot

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



12.3280, 0.2416, 0.3899



24.9678, 0.2779, 0.3447



11.7650, 0.3091, 0.5928



5.9292, 0.2746, 0.3466



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.



12.3280, 0.2416, 0.3899



21.6375, 0.2421, 0.3916



6.6765, 0.1980, 0.2328



3.8045, 0.3020, 0.3332



14.2471, 0.2418, 0.3904



70.8481, 0.2428, 0.3941

Inverse Universe

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



3.5031, 0.5986, 0.3071



6.1381, 0.6044, 0.3103



4.5666, 0.5884, 0.3710



3.4112, 0.3247, 0.3249



4.0464, 0.6002, 0.3080



20.0562, 0.6121, 0.3146

Previews

White Background



This preview shows how the Yxy color 12.3265, 0.2416, 0.3899 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 12.3265, 0.2416, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

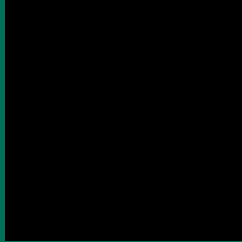
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3265, 0.2416, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 12.3265, 0.2416, 0.3899.



This preview shows how white text looks on a background with the Yxy color 12.3265, 0.2416, 0.3899.

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

12.3265, 0.2416, 0.3899

Protanopia

12.3030, 0.3434, 0.3631

Deuteranopia

12.2438, 0.3360, 0.3313



Tritanopia

12.3496, 0.2291, 0.3064

Trichromacy



Original Color

12.3265, 0.2416, 0.3899

Protanomaly

11.5306, 0.2843, 0.3735

Deuteranomaly

11.3629, 0.2794, 0.3494

Tritanomaly

12.1694, 0.2320, 0.3340

Monochromacy



Original Color

12.3265, 0.2416, 0.3899

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3672, 0.2647, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3265, 0.2416, 0.3899 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.3265, 0.2416, 0.3899 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, 90) }
```

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

```
.border{ border-color:rgb(0, 112, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3265, 0.2416, 0.3899 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, 90) }
```

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

```
.background{ background-color: rgb(0, 112,  
90) }
```

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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