

Converting Colors

$Yxy(12.3463, 0.2430, 0.3947)$

Have a look what the booklet for
Yxy(12.3463, 0.2430, 0.3947)
contains.

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Color

Yxy(12.3096, 0.2425, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	007059
RGB	0, 112, 89
RGB Percent	0%, 44%, 35%
CMY	0.9996, 0.5608, 0.6510
CMYK	1.00, 0.00, 0.21, 0.56
HSL	168°, 100%, 22%
HSV	168°, 100%, 44%
XYZ	7.5976, 12.3096, 11.4230
YIQ	75.8900, -59.3690, -30.8970

Conversions

Conversions Part 2

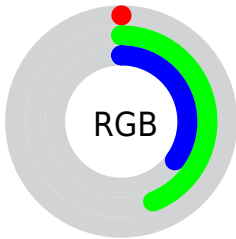
Format	Color
RYB	0, 62, 112
Decimal	28761
CIELab	41.70, -33.34, 5.16
CIELCh	42, 33.737, 171.198
Yxy	12.3096, 0.2425, 0.3929
Android (android.graphics.Color)	4278218841 (0xFF007059)
YUV	75.8900, 6.4632, -66.5555
Hunter-Lab	35.0850, -22.7452, 5.2559

Details

The Yxy color **12.3096, 0.2425, 0.3929** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.5091, 0.5957, 0.3056**, and the grayscale version is **7.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2302, 0.2607, 0.3763**, and **3.7369, 0.2492, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **12.3092, 0.2425, 0.3930**, and if you desaturate by 10%, it is **12.4219, 0.2433, 0.3857**.

Distribution



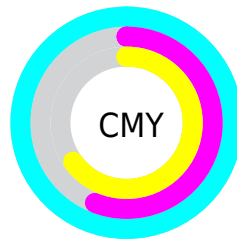
- Red (0%)
- Green (44%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (56%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3096, 0.2425, 0.3929 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 12.3096, 0.2425, 0.3929 by changing the saturation by 10% instead.


 12.3096, 0.2425,
0.3929


 12.3096, 0.2425,
0.3929


206.4443, 0.2855,
0.3530


 6.9549, 0.2277,
0.4073


 30.0577, 0.2607,
0.3757


 3.4339, 0.2051,
0.4298

 43.2200, 0.2667,
0.3702


 1.3622, 0.1475,
0.4810

 59.7535, 0.2715,
0.3658

 0.1886, 0.0000,
1.0000


 80.0427, 0.2753,
0.3622

 0.0000, 0.0000,
0.0000


 104.4720, 0.2785,
0.3593

 133.4257, 0.2812,

0.3569


 167.2884, 0.2835,
0.3548

 12.3096, 0.2425,
0.3929

 12.3096, 0.2425,
0.3929


 12.3092, 0.2425,
0.3930

 12.4219, 0.2433,
0.3857

 12.5655, 0.2452,
0.3786

 12.7660, 0.2488,
0.3714

 13.0295, 0.2541,
0.3644

 13.3618, 0.2611,
0.3576

■ 13.7675, 0.2695,
0.3511

■ 14.2513, 0.2791,
0.3449

■ 14.8170, 0.2897,
0.3391

■ 15.4687, 0.3010,
0.3338

Harmonies

Analogous

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



12.3096, 0.3074, 0.4522



12.3096, 0.2425, 0.3929



12.3096, 0.1996, 0.3151

Triad

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



12.3096, 0.2425, 0.3929



12.3096, 0.2396, 0.2184



12.3096, 0.4585, 0.3777

Complementary

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



12.3096, 0.2425, 0.3929



3.5091, 0.5957, 0.3056

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.



12.3096, 0.4391, 0.3232



12.3096, 0.2425, 0.3929



12.3096, 0.3041, 0.2366

Square

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



12.3096, 0.2425, 0.3929



12.3096, 0.1991, 0.2230



12.3096, 0.3794, 0.2737



12.3096, 0.4337, 0.4290

Rectangle

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



12.3096, 0.2425, 0.3929



12.3096, 0.1869, 0.2716



12.3096, 0.3794, 0.2737



12.3096, 0.4573, 0.3594

Sweetspot

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



12.3101, 0.2425, 0.3929



24.9563, 0.2782, 0.3454



11.7871, 0.3102, 0.5918



5.9262, 0.2750, 0.3474



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.



12.3101, 0.2425, 0.3929



21.6062, 0.2430, 0.3948



6.9509, 0.1996, 0.2386



3.8040, 0.3021, 0.3334



14.2267, 0.2426, 0.3935



70.7430, 0.2437, 0.3974

Inverse Universe

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



3.5091, 0.5957, 0.3056



6.1448, 0.6018, 0.3089



4.4673, 0.5922, 0.3678



3.4117, 0.3245, 0.3247



4.0510, 0.5976, 0.3066



20.0758, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 12.3096, 0.2425, 0.3929 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 12.3096, 0.2425, 0.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

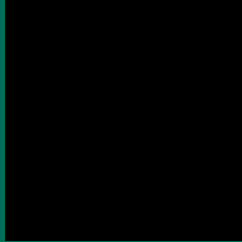
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3096, 0.2425, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 12.3096, 0.2425, 0.3929.



This preview shows how white text looks on a background with the Yxy color 12.3096, 0.2425, 0.3929.

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

12.3096, 0.2425, 0.3929

Protanopia

12.2876, 0.3449, 0.3654

Deuteranopia

12.2897, 0.3391, 0.3334



Tritanopia

12.3496, 0.2291, 0.3064

Trichromacy



Original Color

12.3096, 0.2425, 0.3929

Protanomaly

11.5146, 0.2854, 0.3762

Deuteranomaly

11.3822, 0.2818, 0.3520

Tritanomaly

12.1694, 0.2320, 0.3340

Monochromacy



Original Color

12.3096, 0.2425, 0.3929

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 12.3096, 0.2425, 0.3929 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 89) }
```

Border

The CSS property to change the border of an element to Yxy 12.3096, 0.2425, 0.3929 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, 89) }
```

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

```
.border{ border-color:rgb(0, 112, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3096, 0.2425, 0.3929 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, 89) }
```

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

```
.background{ background-color: rgb(0, 112,  
89) }
```

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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