

Converting Colors

$Yxy(10.6997, 0.1795, 0.4049)$

Have a look what the booklet for
Yxy(10.6997, 0.1795, 0.4049)
contains.

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Color

$Y_{xy}(12.0735, 0.2426, 0.3934)$

Conversions

Conversions Part 1

Format	Color
Hex	006F58
RGB	0, 111, 88
RGB Percent	0%, 44%, 35%
CMY	1.0000, 0.5647, 0.6549
CMYK	1.00, 0.00, 0.21, 0.56
HSL	168°, 100%, 22%
HSV	168°, 100%, 44%
XYZ	7.4454, 12.0735, 11.1712
YIQ	75.1890, -58.7730, -30.6850

Conversions

Conversions Part 2

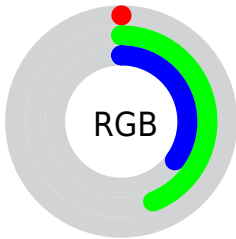
Format	Color
RYB	0, 62, 111
Decimal	28504
CIELab	41.33, -33.19, 5.22
CIELCh	41, 33.594, 171.060
Yxy	12.0735, 0.2426, 0.3934
Android (android.graphics.Color)	4278218584 (0xFF006F58)
YUV	75.1890, 6.3158, -65.9408
Hunter-Lab	34.7469, -22.5589, 5.2610

Details

The Yxy color **12.0735, 0.2426, 0.3934** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4416, 0.5953, 0.3053**, and the grayscale version is **7.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4852, 0.2608, 0.3749**, and **3.6197, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **12.0743, 0.2426, 0.3934**, and if you desaturate by 10%, it is **12.1849, 0.2435, 0.3861**.

Distribution



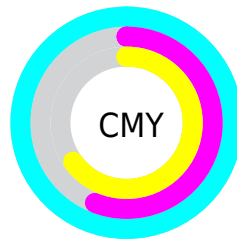
- Red (0%)
- Green (44%)
- Blue (35%)



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



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




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


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0735, 0.2426, 0.3934 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 12.0735, 0.2426, 0.3934 by changing the saturation by 10% instead.


 12.0735, 0.2426,
0.3934

 12.0735, 0.2426,
0.3934


 204.8913, 0.2857,
0.3531


 6.7938, 0.2277,
0.4080


 29.6289, 0.2609,
0.3760


 3.3335, 0.2049,
0.4310

 42.6733, 0.2669,
0.3704

 1.3082, 0.1420,
0.4859

 59.0748, 0.2716,
0.3659

 0.1475, 0.0000,
1.0000


 79.2177, 0.2755,
0.3624


 0.0000, 0.0000,
0.0000

 103.4864, 0.2787,
0.3594

 132.2653, 0.2814,


0.3570


 165.9388, 0.2837,
0.3549


 12.0735, 0.2426,
0.3934


 12.0735, 0.2426,
0.3934


 12.0743, 0.2426,
0.3934

 12.1849, 0.2435,
0.3861

 12.3259, 0.2453,
0.3789

 12.5225, 0.2489,
0.3718

 12.7810, 0.2542,
0.3647

 13.1067, 0.2611,
0.3578

■ 13.5044, 0.2695,
0.3513

■ 13.9784, 0.2791,
0.3450

■ 14.5328, 0.2897,
0.3392

■ 15.1712, 0.3009,
0.3339

Harmonies

Analogous

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



12.0735, 0.3077, 0.4526



12.0735, 0.2426, 0.3934



12.0735, 0.1995, 0.3153

Triad

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



12.0735, 0.2426, 0.3934



12.0735, 0.2392, 0.2181



12.0735, 0.4589, 0.3775

Complementary

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



12.0735, 0.2426, 0.3934



3.4416, 0.5953, 0.3053

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.



12.0735, 0.4392, 0.3229



12.0735, 0.2426, 0.3934



12.0735, 0.3037, 0.2363

Square

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



12.0735, 0.2426, 0.3934



12.0735, 0.1987, 0.2229



12.0735, 0.3792, 0.2734



12.0735, 0.4341, 0.4290

Rectangle

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



12.0735, 0.2426, 0.3934



12.0735, 0.1867, 0.2717



12.0735, 0.3792, 0.2734



12.0735, 0.4575, 0.3592

Sweetspot

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



12.0743, 0.2426, 0.3934



24.9544, 0.2783, 0.3455



11.5645, 0.3103, 0.5918



5.9257, 0.2750, 0.3475



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.



12.0743, 0.2426, 0.3934



21.6011, 0.2431, 0.3953



6.8198, 0.1996, 0.2386



3.8039, 0.3021, 0.3334



14.2234, 0.2428, 0.3940



70.7259, 0.2439, 0.3980

Inverse Universe

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



3.4416, 0.5953, 0.3053



6.1459, 0.6014, 0.3087



4.3834, 0.5923, 0.3679



3.4118, 0.3245, 0.3247



4.0518, 0.5972, 0.3063



20.0791, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 12.0735, 0.2426, 0.3934 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 12.0735, 0.2426, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

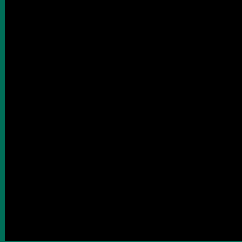
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0735, 0.2426, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 12.0735, 0.2426, 0.3934.



This preview shows how white text looks on a background with the Yxy color 12.0735, 0.2426, 0.3934.

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

12.0735, 0.2426, 0.3934

Protanopia

12.0270, 0.3452, 0.3657

Deuteranopia

12.0293, 0.3393, 0.3335



Tritanopia

12.1164, 0.2292, 0.3062

Trichromacy



Original Color

12.0735, 0.2426, 0.3934

Protanomaly

11.3011, 0.2865, 0.3765

Deuteranomaly

11.1349, 0.2815, 0.3522

Tritanomaly

11.9363, 0.2321, 0.3340

Monochromacy



Original Color

12.0735, 0.2426, 0.3934

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.1870, 0.2655, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0735, 0.2426, 0.3934 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, 111, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 88)  
}
```

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, 111, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 88) }
```

Border

The CSS property to change the border of an element to Yxy 12.0735, 0.2426, 0.3934 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, 111, 88) }
```

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

```
.border{ border-color:rgb(0, 111, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0735, 0.2426, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 88) }
```

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

```
.background{ background-color: rgb(0, 111,  
88) }
```

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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