

Converting Colors

$Yxy(11.8730, 0.2314, 0.3732)$

Have a look what the booklet for
Yxy(11.8730, 0.2314, 0.3732)
contains.

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Color

$Y_{xy}(11.9600, 0.2370, 0.3731)$

Conversions

Conversions Part 1

Format	Color
Hex	006E5E
RGB	0, 110, 94
RGB Percent	0%, 43%, 37%
CMY	0.9996, 0.5686, 0.6314
CMYK	1.00, 0.00, 0.15, 0.57
HSL	171°, 100%, 22%
HSV	171°, 100%, 43%
XYZ	7.5972, 11.9600, 12.4985
YIQ	75.2860, -60.4240, -28.2960

Conversions

Conversions Part 2

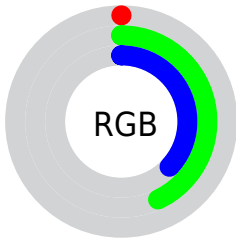
Format	Color
RYB	0, 59, 110
Decimal	28254
CIELab	41.15, -30.97, 1.34
CIELCh	41, 30.994, 177.523
Yxy	11.9600, 0.2370, 0.3731
Android (android.graphics.Color)	4278218334 (0xFF006E5E)
YUV	75.2860, 9.2260, -66.0258
Hunter-Lab	34.5832, -21.3079, 2.7806

Details

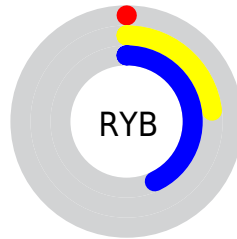
The Yxy color **11.9600, 0.2370, 0.3731** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3546, 0.6111, 0.3142**, and the grayscale version is **7.0869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3101, 0.2564, 0.3617**, and **3.5509, 0.2415, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **11.9596, 0.2370, 0.3731**, and if you desaturate by 10%, it is **12.0607, 0.2384, 0.3682**.

Distribution



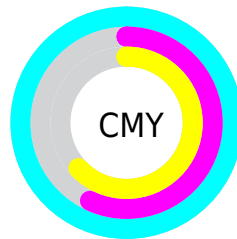
- Red (0%)
- Green (43%)
- Blue (37%)



- Red (0%)
- Yellow (23%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (57%)




- Cyan (100%)
- Magenta (57%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9600, 0.2370, 0.3731 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 11.9600, 0.2370, 0.3731 by changing the saturation by 10% instead.


 11.9600, 0.2370,
0.3731


 11.9600, 0.2370,
0.3731

 204.1403, 0.2831,
0.3461

 6.7164, 0.2214,
0.3824


 29.4222, 0.2564,
0.3616


 3.2854, 0.1979,
0.3967

 42.4097, 0.2628,
0.3579


 1.2825, 0.1401,
0.4304

 58.7473, 0.2679,
0.3549

 0.1276, 0.0000,
0.7381

 78.8193, 0.2720,
0.3525


 0.0000, 0.0000,
0.0000

 103.0103, 0.2755,
0.3505


 131.7045, 0.2784,

0.3488


 165.2863, 0.2809,
0.3473


 11.9600, 0.2370,
0.3731


 11.9600, 0.2370,
0.3731


 11.9596, 0.2370,
0.3731

 12.0607, 0.2384,
0.3682

 12.1902, 0.2407,
0.3633

 12.3737, 0.2447,
0.3584

 12.6172, 0.2505,
0.3536

 12.9260, 0.2579,
0.3489

■ 13.3047, 0.2668,
0.3444

■ 13.7575, 0.2770,
0.3401

■ 14.2884, 0.2882,
0.3361

■ 14.9010, 0.3002,
0.3324

Harmonies

Analogous

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



11.9600, 0.2946, 0.4341



11.9600, 0.2370, 0.3731



11.9600, 0.2018, 0.3028

Triad

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



11.9600, 0.2370, 0.3731



11.9600, 0.2557, 0.2271



11.9600, 0.4468, 0.3864

Complementary

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



11.9600, 0.2370, 0.3731



3.3546, 0.6111, 0.3142

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.



11.9600, 0.4373, 0.3350



11.9600, 0.2370, 0.3731



11.9600, 0.3196, 0.2484

Square

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



11.9600, 0.2370, 0.3731



11.9600, 0.2122, 0.2269



11.9600, 0.3885, 0.2866



11.9600, 0.4169, 0.4316

Rectangle

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



11.9600, 0.2370, 0.3731



11.9600, 0.1935, 0.2657



11.9600, 0.3885, 0.2866



11.9600, 0.4484, 0.3694

Sweetspot

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



11.9605, 0.2370, 0.3731



24.0857, 0.2761, 0.3405



11.2672, 0.3062, 0.5949



5.5445, 0.2728, 0.3418



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.9605, 0.2370, 0.3731



20.9905, 0.2373, 0.3744



5.7008, 0.1934, 0.2161



3.8072, 0.3014, 0.3321



14.3643, 0.2371, 0.3736



71.4567, 0.2379, 0.3763

Inverse Universe

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



3.3546, 0.6111, 0.3142



5.8751, 0.6166, 0.3170



4.7375, 0.5750, 0.3814



3.4087, 0.3254, 0.3260



4.0242, 0.6133, 0.3152



19.9652, 0.6234, 0.3208

Previews

White Background



This preview shows how the Yxy color 11.9600, 0.2370, 0.3731 looks on a white background.

Color Contrast Check

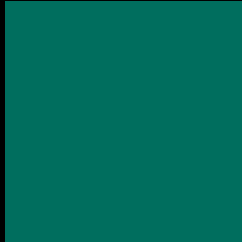
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9600, 0.2370, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

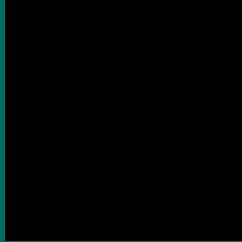
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9600, 0.2370, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 11.9600, 0.2370, 0.3731.



This preview shows how white text looks on a background with the Yxy color 11.9600, 0.2370, 0.3731.

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

11.9600, 0.2370, 0.3731

Protanopia

12.0042, 0.3332, 0.3520

Deuteranopia

11.9514, 0.3256, 0.3202



Tritanopia

12.0677, 0.2277, 0.3061

Trichromacy



Original Color

11.9600, 0.2370, 0.3731

Protanomaly

11.3309, 0.2770, 0.3604

Deuteranomaly

11.1707, 0.2721, 0.3366

Tritanomaly

11.9566, 0.2298, 0.3288

Monochromacy



Original Color

11.9600, 0.2370, 0.3731

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.2170, 0.2631, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9600, 0.2370, 0.3731 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, 110, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 94)  
}
```

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, 110, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 94) }
```

Border

The CSS property to change the border of an element to Yxy 11.9600, 0.2370, 0.3731 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, 110, 94) }
```

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

```
.border{ border-color:rgb(0, 110, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9600, 0.2370, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 94) }
```

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

```
.background{ background-color: rgb(0, 110,  
94) }
```

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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