

Converting Colors

$Y_{xy}(10.5580, 0.1853, 0.3745)$

Have a look what the booklet for
Yxy(10.5580, 0.1853, 0.3745)
contains.

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Color

Yxy(11.7454, 0.2363, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	006D5E
RGB	0, 109, 94
RGB Percent	0%, 43%, 37%
CMY	0.9997, 0.5725, 0.6314
CMYK	1.00, 0.00, 0.14, 0.57
HSL	172°, 100%, 21%
HSV	172°, 100%, 43%
XYZ	7.4890, 11.7454, 12.4585
YIQ	74.6990, -60.1490, -27.7730

Conversions

Conversions Part 2

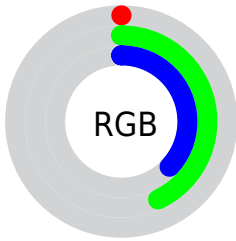
Format	Color
RYB	0, 59, 109
Decimal	27998
CIELab	40.81, -30.51, 0.85
CIELCh	41, 30.522, 178.403
Yxy	11.7454, 0.2363, 0.3706
Android (android.graphics.Color)	4278218078 (0xFF006D5E)
YUV	74.6990, 9.5154, -65.5110
Hunter-Lab	34.2716, -20.9693, 2.4368

Details

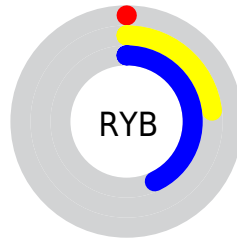
The Yxy color **11.7454, 0.2363, 0.3706** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2875, 0.6128, 0.3151**, and the grayscale version is **6.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9592, 0.2561, 0.3600**, and **3.4451, 0.2404, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **11.7452, 0.2363, 0.3706**, and if you desaturate by 10%, it is **11.8436, 0.2378, 0.3660**.

Distribution



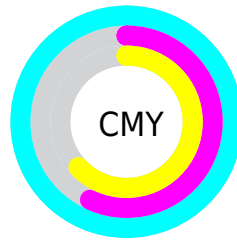
- Red (0%)
- Green (43%)
- Blue (37%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (57%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7454, 0.2363, 0.3706 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 11.7454, 0.2363, 0.3706 by changing the saturation by 10% instead.


 11.7454, 0.2363,
0.3706


 11.7454, 0.2363,
0.3706


 202.7124, 0.2828,
0.3451


 6.5706, 0.2205,
0.3794


 29.0305, 0.2559,
0.3598


 3.1950, 0.1967,
0.3927

 41.9096, 0.2624,
0.3563


 1.2344, 0.1354,
0.4259

 58.1256, 0.2675,
0.3535

 0.0895, 0.0000,
0.7020


 78.0629, 0.2717,
0.3512


 0.0000, 0.0000,
0.0000


 102.1058, 0.2752,
0.3493


 130.6387, 0.2782,


0.3477


 164.0461, 0.2807,
0.3463


 11.7454, 0.2363,
0.3706

 11.7454, 0.2363,
0.3706


 11.7452, 0.2363,
0.3706

 11.8436, 0.2378,
0.3660

 11.9695, 0.2401,
0.3614

 12.1483, 0.2443,
0.3568

 12.3857, 0.2501,
0.3522

 12.6870, 0.2576,
0.3478

■ 13.0568, 0.2665,
0.3436

■ 13.4990, 0.2767,
0.3395

■ 14.0176, 0.2880,
0.3357

■ 14.6160, 0.3001,
0.3322

Harmonies

Analogous

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



11.7454, 0.2930, 0.4317



11.7454, 0.2363, 0.3706



11.7454, 0.2021, 0.3013

Triad

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



11.7454, 0.2363, 0.3706



11.7454, 0.2578, 0.2282



11.7454, 0.4453, 0.3875

Complementary

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



11.7454, 0.2363, 0.3706



3.2875, 0.6128, 0.3151

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.



11.7454, 0.4370, 0.3365



11.7454, 0.2363, 0.3706



11.7454, 0.3216, 0.2500

Square

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



11.7454, 0.2363, 0.3706



11.7454, 0.2139, 0.2274



11.7454, 0.3897, 0.2882



11.7454, 0.4147, 0.4318

Rectangle

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



11.7454, 0.2363, 0.3706



11.7454, 0.1943, 0.2649



11.7454, 0.3897, 0.2882



11.7454, 0.4472, 0.3707

Sweetspot

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



11.7458, 0.2363, 0.3706



24.0951, 0.2758, 0.3399



11.0515, 0.3063, 0.5949



5.5469, 0.2725, 0.3411



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.



11.7458, 0.2363, 0.3706



21.0179, 0.2366, 0.3719



5.5953, 0.1934, 0.2161



3.4851, 0.3014, 0.3319



13.7348, 0.2364, 0.3710



69.8898, 0.2371, 0.3736

Inverse Universe

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



3.2875, 0.6128, 0.3151



5.8712, 0.6182, 0.3179



4.6502, 0.5749, 0.3816



3.1230, 0.3253, 0.3262



3.8406, 0.6146, 0.3159



19.4905, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 11.7454, 0.2363, 0.3706 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 11.7454, 0.2363, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

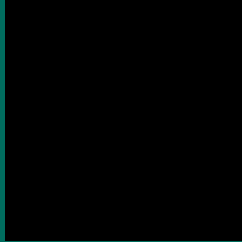
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7454, 0.2363, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 11.7454, 0.2363, 0.3706.



This preview shows how white text looks on a background with the Yxy color 11.7454, 0.2363, 0.3706.

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

11.7454, 0.2363, 0.3706

Protanopia

11.7632, 0.3319, 0.3499

Deuteranopia

11.6950, 0.3257, 0.3201



Tritanopia

11.8219, 0.2273, 0.3059

Trichromacy



Original Color

11.7454, 0.2363, 0.3706

Protanomaly

11.1355, 0.2768, 0.3579

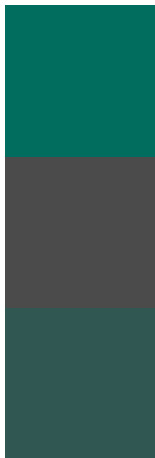
Deuteranomaly

10.9615, 0.2729, 0.3366

Tritanomaly

11.7154, 0.2295, 0.3288

Monochromacy



Original Color

11.7454, 0.2363, 0.3706

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0540, 0.2626, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7454, 0.2363, 0.3706 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, 109, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 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, 109, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 94) }
```

Border

The CSS property to change the border of an element to Yxy 11.7454, 0.2363, 0.3706 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, 109, 94) }
```

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

```
.border{ border-color:rgb(0, 109, 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, 109, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7454, 0.2363, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 94) }
```

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

```
.background{ background-color: rgb(0, 109,  
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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