Converting Colors

Yxy(12.1951, 0.2369, 0.3727)

Have a look what the booklet for Yxy(12.1951, 0.2369, 0.3727) contains.

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Color

Yxy(12.1951, 0.2369, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	006F5F
RGB	0, 111, 95
RGB Percent	0%, 44%, 37%
CMY	0.9994, 0.5647, 0.6274
CMYK	1.00, 0.00, 0.14, 0.56
HSL	171°, 100%, 22%
HSV	171°, 100%, 44%
XYZ	7.7516, 12.1951, 12.7743
YIQ	75.9870, -61.0200, -28.5080

Conversions

Conversions Part 2

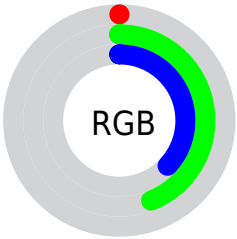
Format	Color
RYB	0, 60, 111
Decimal	28511
CIELab	41.52, -31.12, 1.27
CIELCh	42, 31.146, 177.660
Yxy	12.1951, 0.2369, 0.3727
Android (android.graphics.Color)	4278218591 (0xFF006F5F)
YUV	75.9870, 9.3734, -66.6406
Hunter-Lab	34.9215, -21.4906, 2.7568

Details

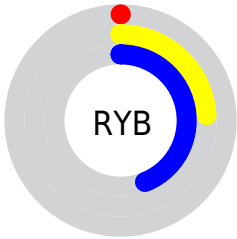
The Yxy color 12.1951, 0.2369, 0.3727 is a dark color, and the websafe version is hex 006666. A complement of this color would be 3.4202, 0.6115, 0.3145, and the grayscale version is 7.2236, 0.3127, 0.3290.

A 20% lighter version of the original color is 29.6946, 0.2561, 0.3615, and 3.6670, 0.2413, 0.3886 is the 20% darker color. If you saturate the color by 10%, you get 12.1943, 0.2369, 0.3728, and if you desaturate by 10%, it is 12.2969, 0.2383, 0.3678.

Distribution

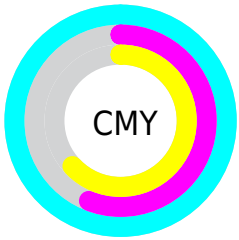


- Red (0%)
- Green (44%)
- Blue (37%)



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

- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1951, 0.2369, 0.3727 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 12.1951, 0.2369, 0.3727 by changing the saturation by 10% instead.

12.1951, 0.2369, 0.3727

12.1951, 0.2369, 0.3727

205.6927, 0.2829, 0.3460

6.8767, 0.2214, 0.3819

29.8499, 0.2562, 0.3614

3.3851, 0.1982, 0.3958

42.9552, 0.2626, 0.3577

1.3359, 0.1447, 0.4269

59.4248, 0.2677, 0.3547

0.1688, 0.0000, 0.6401

79.6432, 0.2719, 0.3523

0.0000, 0.0000, 0.0000

103.9948, 0.2753, 0.3503

132.8640, 0.2782,

0.3487

166.6351, 0.2807, 0.3472

12.1951, 0.2369, 0.3727

12.1943, 0.2369, 0.3728

12.1951, 0.2369, 0.3727

12.2969, 0.2383, 0.3678

12.4286, 0.2406, 0.3630

12.6154, 0.2446, 0.3582

12.8634, 0.2504, 0.3534

13.1782, 0.2579, 0.3487

13.5643, 0.2668, 0.3443

14.0262, 0.2770, 0.3400

14.5678, 0.2882, 0.3360

15.1928, 0.3003, 0.3323

Harmonies

Analogous

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

12.1951, 0.2944, 0.4337

12.1951, 0.2369, 0.3727

12.1951, 0.2019, 0.3026

Triad

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

12.1951, 0.2369, 0.3727

12.1951, 0.2560, 0.2273

12.1951, 0.4466, 0.3865

Complementary

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

12.1951, 0.2369, 0.3727

3.4202, 0.6115, 0.3145

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.

12.1951, 0.4373, 0.3352

12.1951, 0.2369, 0.3727

12.1951, 0.3199, 0.2487

Square

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

12.1951, 0.2369, 0.3727

12.1951, 0.2125, 0.2270

12.1951, 0.3887, 0.2868

12.1951, 0.4166, 0.4316

Rectangle

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

12.1951, 0.2369, 0.3727

12.1951, 0.1936, 0.2656

12.1951, 0.3887, 0.2868

12.1951, 0.4482, 0.3696

Sweetspot

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

12.1956, 0.2369, 0.3727

25.0337, 0.2760, 0.3404

11.4856, 0.3062, 0.5949

5.9466, 0.2725, 0.3418

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.

12.1956, 0.2369, 0.3727

21.8231, 0.2372, 0.3740

5.8088, 0.1934, 0.2160

3.8073, 0.3013, 0.3320

14.3675, 0.2370, 0.3732

71.4732, 0.2377, 0.3758

Inverse Universe

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

3.4202, 0.6115, 0.3145

6.1056, 0.6172, 0.3173

4.8267, 0.5751, 0.3813

3.4086, 0.3254, 0.3260

4.0237, 0.6136, 0.3154

19.9632, 0.6236, 0.3209

Previews

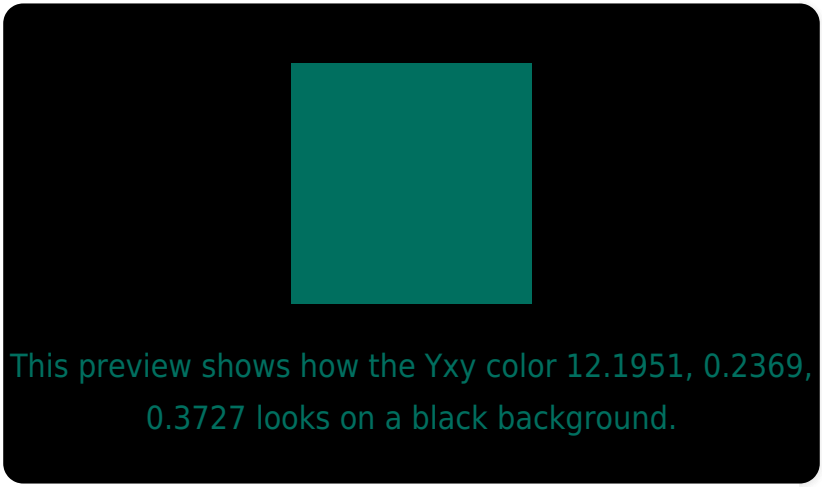
White Background

This preview shows how the Yxy color 12.1951, 0.2369, 0.3727 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

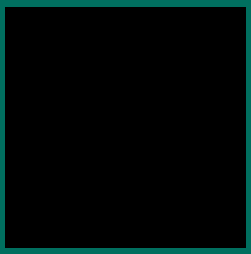


Color Contrast Check

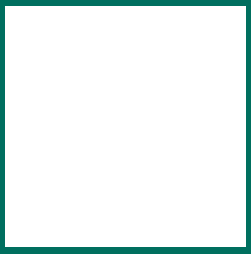
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 12.1951, 0.2369, 0.3727 Background



This preview shows how black text looks on a background with the Yxy color 12.1951, 0.2369, 0.3727.



This preview shows how white text looks on a background with the Yxy color 12.1951, 0.2369, 0.3727.

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
12.1951, 0.2369, 0.3727

Protanopia
12.0787, 0.3333, 0.3496

Deuteranopia
12.2111, 0.3254, 0.3203

Tritanopia
12.3008, 0.2275, 0.3063

Trichromacy

Original Color
12.1951, 0.2369, 0.3727

Protanomaly
11.3819, 0.2771, 0.3576

Deuteranomaly
11.4181, 0.2724, 0.3365

Tritanomaly
12.1901, 0.2297, 0.3288

Monochromacy

Original Color
12.1951, 0.2369, 0.3727

Achromatopsia
7.2272, 0.3127, 0.3290

Achromatomaly
8.3977, 0.2623, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1951, 0.2369, 0.3727 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, 95) looks like.

```
.text, #text, p{
    color:rgb(0, 111, 95)
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.1951, 0.2369, 0.3727 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, 95) }
```

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

```
.border{ border-color:rgb(0, 111, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 111, 95); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 111, 95); box-shadow:4px 4px 4px 4px rgb(0, 111, 95) }
```

Background

The CSS property to change the background color of an element to Yxy 12.1951, 0.2369, 0.3727 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, 95) }
```

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

```
.background{ background-color:rgb(0, 111,
95) }
```

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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