

Converting Colors

$Yxy(10.0148, 0.2371, 0.3704)$

Have a look what the booklet for
Yxy(10.0148, 0.2371, 0.3704)
contains.

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Color

Yxy(10.0148, 0.2371, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	036557
RGB	3, 101, 87
RGB Percent	1%, 40%, 34%
CMY	0.9886, 0.6039, 0.6588
CMYK	0.97, 0.00, 0.14, 0.60
HSL	171°, 94%, 20%
HSV	171°, 97%, 40%
XYZ	6.4107, 10.0148, 10.6123
YIQ	70.1020, -53.9140, -25.1300

Conversions

Conversions Part 2

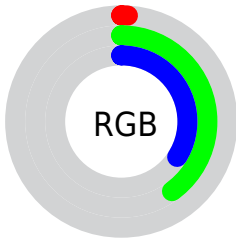
Format	Color
RYB	3, 56, 101
Decimal	222551
CIELab	37.87, -28.67, 0.84
CIELCh	38, 28.678, 178.328
Yxy	10.0148, 0.2371, 0.3704
Android (android.graphics.Color)	4278412631 (0xFF036557)
YUV	70.1020, 8.3307, -58.8485
Hunter-Lab	31.6462, -19.2215, 2.2698

Details

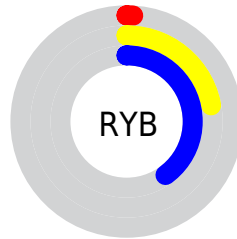
The Yxy color **10.0148, 0.2371, 0.3704** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8703, 0.6003, 0.3133**, and the grayscale version is **6.1309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9663, 0.2572, 0.3594**, and **2.7134, 0.2406, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **9.9896, 0.2366, 0.3718**, and if you desaturate by 10%, it is **10.1059, 0.2388, 0.3656**.

Distribution



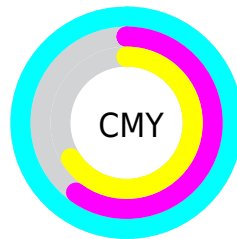
- Red (1%)
- Green (40%)
- Blue (34%)



- Red (1%)
- Yellow (22%)
- Blue (40%)



- Cyan (97%)
- Magenta (0%)
- Yellow (14%)
- Black (60%)




- Cyan (99%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0148, 0.2371, 0.3704 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 10.0148, 0.2371, 0.3704 by changing the saturation by 10% instead.


 10.0148, 0.2371,
0.3704

 10.0148, 0.2371,
0.3704


 190.7777, 0.2841,
0.3445


 5.4088, 0.2204,
0.3797

 25.8233, 0.2573,
0.3592


 2.4890, 0.1945,
0.3943


 37.7946, 0.2638,
0.3556

 0.8711, 0.0679,
0.4611

 52.9898, 0.2690,
0.3528

 0.0000, 0.0000,
0.0000


 71.7933, 0.2732,
0.3505

 94.5894, 0.2766,
0.3486


 121.7625, 0.2795,


0.3470


 153.6972, 0.2820,
0.3457


 10.0148, 0.2371,
0.3704


 10.0148, 0.2371,
0.3704


 9.9896, 0.2366,
0.3718

 10.1059, 0.2388,
0.3656

 10.2280, 0.2417,
0.3609

 10.3961, 0.2464,
0.3562

 10.6148, 0.2527,
0.3516

 10.8883, 0.2605,
0.3471

■ 11.2201, 0.2698,
0.3428

■ 11.6136, 0.2803,
0.3387

■ 12.0719, 0.2917,
0.3349

■ 12.5978, 0.3038,
0.3313

Harmonies

Analogous

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



10.0148, 0.2934, 0.4307



10.0148, 0.2371, 0.3704



10.0148, 0.2031, 0.3018

Triad

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



10.0148, 0.2371, 0.3704



10.0148, 0.2582, 0.2290



10.0148, 0.4441, 0.3870

Complementary

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



10.0148, 0.2371, 0.3704



2.8703, 0.6003, 0.3133

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.



10.0148, 0.4358, 0.3364



10.0148, 0.2371, 0.3704



10.0148, 0.3214, 0.2505

Square

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



10.0148, 0.2371, 0.3704



10.0148, 0.2146, 0.2283



10.0148, 0.3888, 0.2885



10.0148, 0.4140, 0.4309

Rectangle

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



10.0148, 0.2371, 0.3704



10.0148, 0.1953, 0.2656



10.0148, 0.3888, 0.2885



10.0148, 0.4460, 0.3703

Sweetspot

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



10.0152, 0.2371, 0.3704



19.7434, 0.2773, 0.3397



9.4396, 0.3071, 0.5900



4.8060, 0.2741, 0.3410



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.0152, 0.2371, 0.3704



17.1370, 0.2370, 0.3731



4.9338, 0.1957, 0.2208



3.1788, 0.3015, 0.3319



13.0934, 0.2368, 0.3725



68.1911, 0.2376, 0.3753

Inverse Universe

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



2.8703, 0.6003, 0.3133



4.7953, 0.6155, 0.3165



4.1117, 0.5645, 0.3835



2.8522, 0.3251, 0.3261



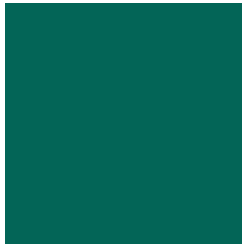
3.6665, 0.6130, 0.3151



19.0404, 0.6237, 0.3210

Previews

White Background



This preview shows how the Yxy color 10.0148, 0.2371, 0.3704 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 10.0148, 0.2371, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

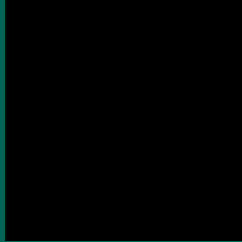
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.0148, 0.2371, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 10.0148, 0.2371, 0.3704.



This preview shows how white text looks on a background with the Yxy color 10.0148, 0.2371, 0.3704.

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

10.0148, 0.2371, 0.3704

Protanopia

10.0511, 0.3332, 0.3513

Deuteranopia

9.9351, 0.3249, 0.3195



Tritanopia

10.0228, 0.2281, 0.3070

Trichromacy



Original Color

10.0148, 0.2371, 0.3704

Protanomaly

9.4139, 0.2783, 0.3570

Deuteranomaly

9.2602, 0.2742, 0.3344

Tritanomaly

9.9630, 0.2304, 0.3288

Monochromacy



Original Color

10.0148, 0.2371, 0.3704

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.9875, 0.2652, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0148, 0.2371, 0.3704 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(3, 101, 87)` looks like.

```
.text, #text, p{  
    color:rgb(3, 101, 87)  
}
```

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(3, 101, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 101, 87) }
```

Border

The CSS property to change the border of an element to Yxy 10.0148, 0.2371, 0.3704 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(3, 101, 87) }
```

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

```
.border{ border-color:rgb(3, 101, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 101, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 101, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 101, 87);  
box-shadow:4px 4px 4px 4px rgb(3, 101, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0148, 0.2371, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 101, 87) }
```

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

```
.background{ background-color: rgb(3, 101,  
87) }
```

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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