

Converting Colors

$Y_{xy}(12.0805, 0.1738, 0.3797)$

Have a look what the booklet for
Yxy(12.0805, 0.1738, 0.3797)
contains.

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Color

Yxy(13.6427, 0.2371, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	007564
RGB	0, 117, 100
RGB Percent	0%, 46%, 39%
CMY	0.9993, 0.5412, 0.6079
CMYK	1.00, 0.00, 0.15, 0.54
HSL	171°, 100%, 23%
HSV	171°, 100%, 46%
XYZ	8.6628, 13.6427, 14.2309
YIQ	80.0790, -64.2750, -30.0910

Conversions

Conversions Part 2

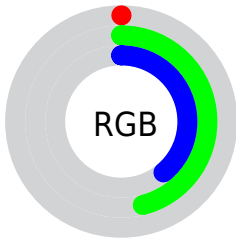
Format	Color
RYB	0, 63, 117
Decimal	30052
CIELab	43.72, -32.38, 1.46
CIELCh	44, 32.416, 177.416
Yxy	13.6427, 0.2371, 0.3734
Android (android.graphics.Color)	4278220132 (0xFF007564)
YUV	80.0790, 9.8211, -70.2293
Hunter-Lab	36.9360, -22.7736, 3.0116

Details

The Yxy color **13.6427, 0.2371, 0.3734** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8268, 0.6123, 0.3149**, and the grayscale version is **8.0389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5203, 0.2554, 0.3621**, and **4.4006, 0.2412, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **13.6415, 0.2371, 0.3735**, and if you desaturate by 10%, it is **13.7527, 0.2383, 0.3685**.

Distribution



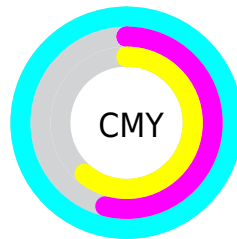
- Red (0%)
- Green (46%)
- Blue (39%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6427, 0.2371, 0.3734 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 13.6427, 0.2371, 0.3734 by changing the saturation by 10% instead.


 13.6427, 0.2371,
0.3734


 13.6427, 0.2371,
0.3734


214.9966, 0.2823,
0.3466


 7.8726, 0.2223,
0.3823


 32.4537, 0.2558,
0.3622


 4.0135, 0.2005,
0.3957

 46.2634, 0.2621,
0.3585


 1.6811, 0.1627,
0.4190

 63.5217, 0.2672,
0.3555

 0.4114, 0.0000,
0.5433

 84.6130, 0.2713,
0.3531

 0.0000, 0.0000,
0.0000

 109.9218, 0.2747,
0.3511

 139.8324, 0.2776,

0.3494

174.7292, 0.2801,
0.3479

13.6427, 0.2371,
0.3734

13.6427, 0.2371,
0.3734

13.6415, 0.2371,
0.3735

13.7527, 0.2383,
0.3685

13.8985, 0.2405,
0.3636

14.1064, 0.2445,
0.3586

14.3834, 0.2503,
0.3538

14.7358, 0.2577,
0.3491

■ 15.1688, 0.2666,
0.3445

■ 15.6875, 0.2769,
0.3402

■ 16.2964, 0.2882,
0.3361

■ 16.9997, 0.3003,
0.3324

Harmonies

Analogous

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



13.6427, 0.2948, 0.4343



13.6427, 0.2371, 0.3734



13.6427, 0.2018, 0.3030

Triad

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



13.6427, 0.2371, 0.3734



13.6427, 0.2555, 0.2269



13.6427, 0.4470, 0.3862

Complementary

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



13.6427, 0.2371, 0.3734



3.8268, 0.6123, 0.3149

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.



13.6427, 0.4373, 0.3348



13.6427, 0.2371, 0.3734



13.6427, 0.3193, 0.2483

Square

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



13.6427, 0.2371, 0.3734



13.6427, 0.2120, 0.2269



13.6427, 0.3884, 0.2864



13.6427, 0.4172, 0.4315

Rectangle

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



13.6427, 0.2371, 0.3734



13.6427, 0.1934, 0.2658



13.6427, 0.3884, 0.2864



13.6427, 0.4485, 0.3692

Sweetspot

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



13.6432, 0.2371, 0.3734



27.9997, 0.2759, 0.3406



12.8483, 0.3060, 0.5951



6.3643, 0.2724, 0.3420



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.6432, 0.2371, 0.3734



24.4137, 0.2374, 0.3747



6.4699, 0.1932, 0.2153



4.1466, 0.3013, 0.3321



15.0288, 0.2371, 0.3737



73.1396, 0.2379, 0.3763

Inverse Universe

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



3.8268, 0.6123, 0.3149



6.8313, 0.6177, 0.3176



5.3727, 0.5760, 0.3805



3.7088, 0.3255, 0.3259



4.2099, 0.6137, 0.3154



20.4352, 0.6234, 0.3208

Previews

White Background



This preview shows how the Yxy color 13.6427, 0.2371, 0.3734 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 13.6427, 0.2371, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

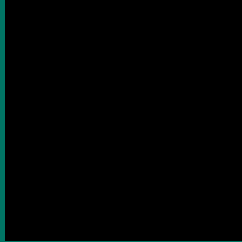
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6427, 0.2371, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 13.6427, 0.2371, 0.3734.



This preview shows how white text looks on a background with the Yxy color 13.6427, 0.2371, 0.3734.

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

13.6427, 0.2371, 0.3734

Protanopia

13.5990, 0.3335, 0.3531

Deuteranopia

13.6245, 0.3264, 0.3207



Tritanopia

13.7718, 0.2273, 0.3073

Trichromacy



Original Color

13.6427, 0.2371, 0.3734

Protanomaly

12.7803, 0.2774, 0.3613

Deuteranomaly

12.6651, 0.2727, 0.3362

Tritanomaly

13.6480, 0.2292, 0.3288

Monochromacy



Original Color

13.6427, 0.2371, 0.3734

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.2206, 0.2627, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6427, 0.2371, 0.3734 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, 117, 100)` looks like.

```
.text, #text, p{  
  color:rgb(0, 117, 100)  
}
```

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, 117, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 100) }
```

Border

The CSS property to change the border of an element to Yxy 13.6427, 0.2371, 0.3734 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, 117, 100) }
```

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

```
.border{ border-color:rgb(0, 117, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6427, 0.2371, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 100) }
```

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

```
.background{ background-color: rgb(0, 117,  
100) }
```

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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