

Converting Colors

$Yxy(11.8645, 0.1724, 0.3843)$

Have a look what the booklet for
Yxy(11.8645, 0.1724, 0.3843)
contains.

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Color

Yxy(13.6044, 0.2386, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	007562
RGB	0, 117, 98
RGB Percent	0%, 46%, 38%
CMY	1.0000, 0.5412, 0.6157
CMYK	1.00, 0.00, 0.16, 0.54
HSL	170°, 100%, 23%
HSV	170°, 100%, 46%
XYZ	8.5647, 13.6044, 13.7264
YIQ	79.8510, -63.6330, -30.7130

Conversions

Conversions Part 2

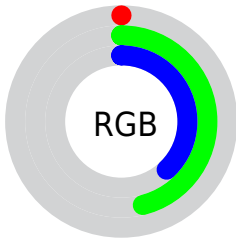
Format	Color
RYB	0, 64, 117
Decimal	30050
CIELab	43.66, -32.99, 2.58
CIELCh	44, 33.095, 175.531
Yxy	13.6044, 0.2386, 0.3790
Android (android.graphics.Color)	4278220130 (0xFF007562)
YUV	79.8510, 8.9475, -70.0293
Hunter-Lab	36.8841, -23.0987, 3.7541

Details

The Yxy color **13.6044, 0.2386, 0.3790** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8293, 0.6087, 0.3127**, and the grayscale version is **7.9835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4559, 0.2567, 0.3658**, and **4.3822, 0.2438, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **13.6054, 0.2386, 0.3790**, and if you desaturate by 10%, it is **13.7177, 0.2397, 0.3734**.

Distribution



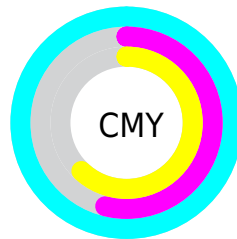
- Red (0%)
- Green (46%)
- Blue (38%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6044, 0.2386, 0.3790 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 13.6044, 0.2386, 0.3790 by changing the saturation by 10% instead.


 13.6044, 0.2386,
0.3790


 13.6044, 0.2386,
0.3790

214.7557, 0.2831,
0.3486

 7.8460, 0.2239,
0.3893


 32.3854, 0.2571,
0.3662


 3.9966, 0.2023,
0.4049

 46.1769, 0.2633,
0.3620


 1.6717, 0.1636,
0.4328

 63.4148, 0.2682,
0.3586

 0.4052, 0.0000,
0.6083


 84.4837, 0.2723,
0.3559

 0.0000, 0.0000,
0.0000

 109.7678, 0.2756,
0.3536

 139.6515, 0.2785,


0.3517


 174.5194, 0.2809,
0.3500


 13.6044, 0.2386,
0.3790


 13.6044, 0.2386,
0.3790


 13.6054, 0.2386,
0.3790

 13.7177, 0.2397,
0.3734

 13.8658, 0.2418,
0.3679

 14.0761, 0.2456,
0.3623

 14.3556, 0.2512,
0.3569

 14.7104, 0.2585,
0.3516

■ 15.1461, 0.2673,
0.3464

■ 15.6676, 0.2773,
0.3416

■ 16.2793, 0.2884,
0.3371

■ 16.9857, 0.3003,
0.3328

Harmonies

Analogous

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



13.6044, 0.2985, 0.4396



13.6044, 0.2386, 0.3790



13.6044, 0.2011, 0.3064

Triad

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



13.6044, 0.2386, 0.3790



13.6044, 0.2508, 0.2244



13.6044, 0.4504, 0.3838

Complementary

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



13.6044, 0.2386, 0.3790



3.8293, 0.6087, 0.3127

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.



13.6044, 0.4380, 0.3314



13.6044, 0.2386, 0.3790



13.6044, 0.3149, 0.2448

Square

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



13.6044, 0.2386, 0.3790



13.6044, 0.2081, 0.2257



13.6044, 0.3859, 0.2826



13.6044, 0.4220, 0.4309

Rectangle

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



13.6044, 0.2386, 0.3790



13.6044, 0.1914, 0.2674



13.6044, 0.3859, 0.2826



13.6044, 0.4512, 0.3664

Sweetspot

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



13.6054, 0.2386, 0.3790



27.9755, 0.2765, 0.3420



12.8673, 0.3068, 0.5946



6.3582, 0.2731, 0.3435



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.



13.6054, 0.2386, 0.3790



24.3445, 0.2390, 0.3804



6.7337, 0.1947, 0.2209



4.1456, 0.3015, 0.3325



14.9869, 0.2387, 0.3793



72.9265, 0.2395, 0.3822

Inverse Universe

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



3.8293, 0.6087, 0.3127



6.8419, 0.6139, 0.3155



5.2334, 0.5808, 0.3770



3.7097, 0.3253, 0.3256



4.2170, 0.6097, 0.3132



20.4630, 0.6200, 0.3189

Previews

White Background



This preview shows how the Yxy color 13.6044, 0.2386, 0.3790 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 13.6044, 0.2386, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

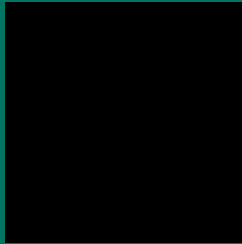
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6044, 0.2386, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 13.6044, 0.2386, 0.3790.



This preview shows how white text looks on a background with the Yxy color 13.6044, 0.2386, 0.3790.

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

13.6044, 0.2386, 0.3790

Protanopia

13.6268, 0.3378, 0.3574

Deuteranopia

13.5844, 0.3292, 0.3249



Tritanopia

13.7880, 0.2278, 0.3073

Trichromacy



Original Color

13.6044, 0.2386, 0.3790

Protanomaly

12.7806, 0.2808, 0.3664

Deuteranomaly

12.6254, 0.2749, 0.3411

Tritanomaly

13.6358, 0.2302, 0.3312

Monochromacy



Original Color

13.6044, 0.2386, 0.3790

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 13.6044, 0.2386, 0.3790 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 98) }
```

Border

The CSS property to change the border of an element to Yxy 13.6044, 0.2386, 0.3790 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, 98) }
```

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

```
.border{ border-color:rgb(0, 117, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6044, 0.2386, 0.3790 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, 98) }
```

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

```
.background{ background-color: rgb(0, 117,  
98) }
```

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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