

Converting Colors

$Y_{xy}(14.7871, 0.2684, 0.3893)$

Have a look what the booklet for
Yxy(14.7871, 0.2684, 0.3893)
contains.

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Color

Yxy(14.8140, 0.2688, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	37775E
RGB	55, 119, 94
RGB Percent	22%, 47%, 37%
CMY	0.7844, 0.5333, 0.6314
CMYK	0.54, 0.00, 0.21, 0.53
HSL	157°, 37%, 34%
HSV	157°, 54%, 47%
XYZ	10.1920, 14.8140, 12.9106
YIQ	97.0140, -30.1190, -21.3430

Conversions

Conversions Part 2

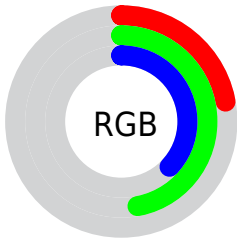
Format	Color
RYB	55, 95, 119
Decimal	3635038
CIELab	45.38, -27.02, 7.57
CIELCh	45, 28.059, 164.350
Yxy	14.8140, 0.2688, 0.3907
Android (android.graphics.Color)	4281825118 (0xFF37775E)
YUV	97.0140, -1.4859, -36.8463
Hunter-Lab	38.4890, -20.0884, 7.0543




Details

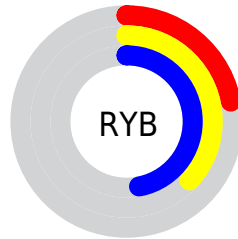
The Yxy color **14.8140, 0.2688, 0.3907** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2326, 0.3995, 0.2772**, and the grayscale version is **11.9663, 0.3127, 0.3290**.




A 20% lighter version of the original color is **34.6445, 0.2804, 0.3757**, and **4.5937, 0.2509, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **14.4372, 0.2639, 0.4047**, and if you desaturate by 10%, it is **15.2781, 0.2751, 0.3773**.

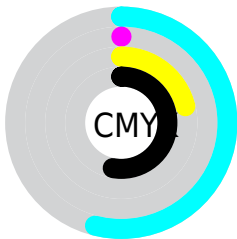
Distribution







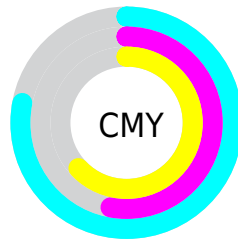
-  Red (22%)
-  Green (47%)
-  Blue (37%)






-  Red (22%)
-  Yellow (37%)
-  Blue (47%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (21%)
-  Black (53%)





-  Cyan (78%)
-  Magenta (53%)
-  Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8140, 0.2688, 0.3907 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 14.8140, 0.2688, 0.3907 by changing the saturation by 10% instead.


 14.8140, 0.2688,
0.3907


 14.8140, 0.2688,
0.3907


222.2376, 0.2954,
0.3529


 8.6890, 0.2598,
0.4038


 34.5266, 0.2800,
0.3746


 4.5389, 0.2462,
0.4240

 48.8828, 0.2837,
0.3694

 1.9793, 0.2234,
0.4587

 66.7517, 0.2866,
0.3652

 0.5954, 0.0000,
0.8333

 88.5174, 0.2890,
0.3618

 0.0000, 0.0000,
0.0000

 114.5645, 0.2910,
0.3590

 145.2773, 0.2927,

0.3566

181.0402, 0.2942,
0.3546

■ 14.8140, 0.2688,
0.3907

■ 14.8140, 0.2688,
0.3907

■ 14.4372, 0.2639,
0.4047

■ 15.2781, 0.2751,
0.3773

■ 14.1399, 0.2607,
0.4192

■ 15.8330, 0.2825,
0.3647

■ 13.9159, 0.2594,
0.4337

■ 16.4845, 0.2909,
0.3529

■ 13.7558, 0.2598,
0.4482

■ 17.2371, 0.2998,
0.3422

■ 13.6693, 0.2603,
0.4572

■ 18.0950, 0.3091,
0.3324

■ 19.0624, 0.3186,
0.3237

■ 20.1430, 0.3281,
0.3158

■ 21.3406, 0.3375,
0.3089

■ 22.6585, 0.3467,
0.3027

Harmonies

Analogous

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



14.8140, 0.3232, 0.4285



14.8140, 0.2688, 0.3907



14.8140, 0.2285, 0.3328

Triad

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



14.8140, 0.2688, 0.3907



14.8140, 0.2452, 0.2387



14.8140, 0.4269, 0.3607

Complementary

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



14.8140, 0.2688, 0.3907



7.2326, 0.3995, 0.2772

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.



14.8140, 0.4030, 0.3162



14.8140, 0.2688, 0.3907



14.8140, 0.2937, 0.2493

Square

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



14.8140, 0.2688, 0.3907



14.8140, 0.2164, 0.2484



14.8140, 0.3523, 0.2769



14.8140, 0.4164, 0.4026

Rectangle

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



14.8140, 0.2688, 0.3907



14.8140, 0.2139, 0.2962



14.8140, 0.3523, 0.2769



14.8140, 0.4227, 0.3458

Sweetspot

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



14.8146, 0.2688, 0.3907



30.4945, 0.2974, 0.3449



15.2018, 0.3344, 0.4775



7.1737, 0.2959, 0.3466



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.8146, 0.2688, 0.3907



25.6849, 0.2629, 0.4088



13.8656, 0.2436, 0.3137



4.1322, 0.3042, 0.3374



14.5198, 0.2604, 0.4576



70.5851, 0.2625, 0.4651

Inverse Universe

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



7.2326, 0.3995, 0.2772



10.5099, 0.4332, 0.2681



7.5772, 0.4516, 0.3426



3.7224, 0.3221, 0.3207



4.3787, 0.5330, 0.2710



21.1803, 0.5462, 0.2783

Previews

White Background



This preview shows how the Yxy color 14.8140, 0.2688, 0.3907 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 14.8140, 0.2688, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

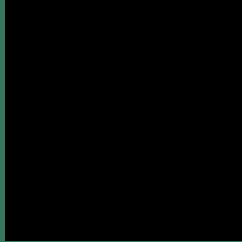
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8140, 0.2688, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 14.8140, 0.2688, 0.3907.



This preview shows how white text looks on a background with the Yxy color 14.8140, 0.2688, 0.3907.

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

14.8140, 0.2688, 0.3907

Protanopia

14.7307, 0.3465, 0.3691

Deuteranopia

14.6285, 0.3474, 0.3412



Tritanopia

14.8067, 0.2476, 0.3085

Trichromacy



Original Color

14.8140, 0.2688, 0.3907

Protanomaly

14.3824, 0.3131, 0.3770

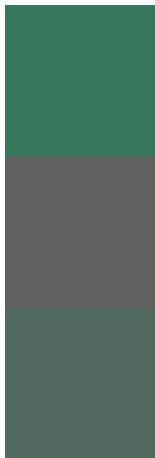
Deuteranomaly

14.3232, 0.3127, 0.3580

Tritanomaly

14.6751, 0.2552, 0.3359

Monochromacy



Original Color

14.8140, 0.2688, 0.3907

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.7415, 0.2928, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8140, 0.2688, 0.3907 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(55, 119, 94)` looks like.

```
.text, #text, p{  
    color:rgb(55, 119, 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(55, 119, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 119, 94) }
```

Border

The CSS property to change the border of an element to Yxy 14.8140, 0.2688, 0.3907 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(55, 119, 94) }
```

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

```
.border{ border-color:rgb(55, 119, 94) }
```

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

Here you see how a box with a 4 pixel rgb(55, 119, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 119, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 119, 94);  
box-shadow:4px 4px 4px 4px rgb(55, 119,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8140, 0.2688, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 119, 94) }
```

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

```
.background{ background-color: rgb(55, 119,  
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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