

Converting Colors

$Y_{xy}(12.5890, 0.1838, 0.4281)$

Have a look what the booklet for
Yxy(12.5890, 0.1838, 0.4281)
contains.

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Color

$\text{Yxy}(14.1375, 0.2484, 0.4142)$

Conversions

Conversions Part 1

Format	Color
Hex	007858
RGB	0, 120, 88
RGB Percent	0%, 47%, 35%
CMY	0.9999, 0.5294, 0.6549
CMYK	1.00, 0.00, 0.27, 0.53
HSL	164°, 100%, 24%
HSV	164°, 100%, 47%
XYZ	8.4784, 14.1375, 11.5162
YIQ	80.4720, -61.2480, -35.3920

Conversions

Conversions Part 2

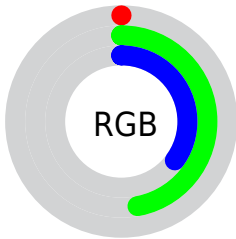
Format	Color
RYB	0, 69, 120
Decimal	30808
CIELab	44.43, -37.07, 9.61
CIELCh	44, 38.290, 165.471
Yxy	14.1375, 0.2484, 0.4142
Android (android.graphics.Color)	4278220888 (0xFF007858)
YUV	80.4720, 3.7113, -70.5739
Hunter-Lab	37.5999, -25.5498, 8.1605

Details

The Yxy color **14.1375, 0.2484, 0.4142** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0983, 0.5784, 0.2961**, and the grayscale version is **8.1229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2586, 0.2647, 0.3911**, and **4.5547, 0.2573, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **14.1377, 0.2484, 0.4142**, and if you desaturate by 10%, it is **14.2705, 0.2485, 0.4046**.

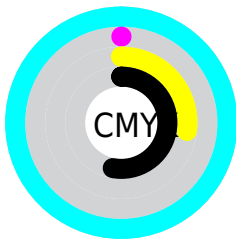
Distribution



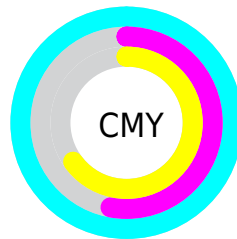
- Red (0%)
- Green (47%)
- Blue (35%)



- Red (0%)
- Yellow (27%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1375, 0.2484, 0.4142 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 14.1375, 0.2484, 0.4142 by changing the saturation by 10% instead.


 14.1375, 0.2484,
0.4142


 14.1375, 0.2484,
0.4142


218.0846, 0.2877,
0.3612


 8.2164, 0.2349,
0.4331


 33.3328, 0.2650,
0.3914


 4.2337, 0.2146,
0.4626

 47.3758, 0.2705,
0.3840


 1.8051, 0.1758,
0.5172

 64.8948, 0.2748,
0.3782

 0.4904, 0.0000,
1.0000

 86.2742, 0.2783,
0.3735


 0.0000, 0.0000,
0.0000


 111.8986, 0.2813,
0.3696


 142.1521, 0.2838,


0.3663


 177.4193, 0.2859,
0.3636


 14.1375, 0.2484,
0.4142


 14.1375, 0.2484,
0.4142

 14.1377, 0.2484,
0.4142

 14.2705, 0.2485,
0.4046

 14.4432, 0.2497,
0.3950

 14.6832, 0.2528,
0.3854

 14.9981, 0.2576,
0.3760

 15.3945, 0.2641,
0.3669

■ 15.8781, 0.2720,
0.3582

■ 16.4542, 0.2810,
0.3500

■ 17.1277, 0.2910,
0.3424

■ 17.9032, 0.3017,
0.3354

Harmonies

Analogous

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



14.1375, 0.3206, 0.4701



14.1375, 0.2484, 0.4142



14.1375, 0.1975, 0.3287

Triad

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



14.1375, 0.2484, 0.4142



14.1375, 0.2236, 0.2096



14.1375, 0.4702, 0.3685

Complementary

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



14.1375, 0.2484, 0.4142



4.0983, 0.5784, 0.2961

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.



14.1375, 0.4402, 0.3112



14.1375, 0.2484, 0.4142



14.1375, 0.2882, 0.2248

Square

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



14.1375, 0.2484, 0.4142



14.1375, 0.1861, 0.2192



14.1375, 0.3694, 0.2607



14.1375, 0.4507, 0.4254

Rectangle

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



14.1375, 0.2484, 0.4142



14.1375, 0.1804, 0.2783



14.1375, 0.3694, 0.2607



14.1375, 0.4658, 0.3491

Sweetspot

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



14.1381, 0.2484, 0.4142



28.8565, 0.2803, 0.3506



13.7737, 0.3150, 0.5881



6.7533, 0.2771, 0.3533



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.



14.1381, 0.2484, 0.4142



24.8427, 0.2490, 0.4165



9.3631, 0.2057, 0.2605



4.4951, 0.3026, 0.3348



15.4208, 0.2485, 0.4146



73.4120, 0.2499, 0.4196

Inverse Universe

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



4.0983, 0.5784, 0.2961



7.1866, 0.5845, 0.2993



4.7331, 0.6086, 0.3549



4.0310, 0.3239, 0.3233



4.4678, 0.5796, 0.2966



21.1887, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 14.1375, 0.2484, 0.4142 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 14.1375, 0.2484, 0.4142 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 14.1375, 0.2484, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 14.1375, 0.2484, 0.4142.



This preview shows how white text looks on a background with the Yxy color 14.1375, 0.2484, 0.4142.

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

14.1375, 0.2484, 0.4142

Protanopia

14.1420, 0.3556, 0.3804

Deuteranopia

14.0020, 0.3524, 0.3477



Tritanopia

14.1735, 0.2298, 0.3053

Trichromacy



Original Color

14.1375, 0.2484, 0.4142

Protanomaly

13.1315, 0.2934, 0.3942

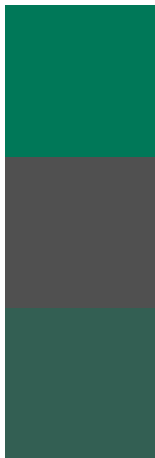
Deuteranomaly

13.0170, 0.2913, 0.3707

Tritanomaly

14.0991, 0.2344, 0.3412

Monochromacy



Original Color

14.1375, 0.2484, 0.4142

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.5128, 0.2681, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1375, 0.2484, 0.4142 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, 120, 88)` looks like.

```
.text, #text, p{  
  color:rgb(0, 120, 88)  
}
```

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, 120, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 88) }
```

Border

The CSS property to change the border of an element to Yxy 14.1375, 0.2484, 0.4142 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, 120, 88) }
```

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

```
.border{ border-color:rgb(0, 120, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1375, 0.2484, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 88) }
```

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

```
.background{ background-color: rgb(0, 120,  
88) }
```

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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