

Converting Colors

$Yxy(14.0736, 0.2516, 0.4257)$

Have a look what the booklet for
Yxy(14.0736, 0.2516, 0.4257)
contains.

Yxy(14.0730, 0.2516, 0.4257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(14.0730, 0.2516, 0.4257)$

Conversions

Conversions Part 1

Format	Color
Hex	007854
RGB	0, 120, 84
RGB Percent	0%, 47%, 33%
CMY	0.9998, 0.5294, 0.6705
CMYK	1.00, 0.00, 0.30, 0.53
HSL	162°, 100%, 24%
HSV	162°, 100%, 47%
XYZ	8.3175, 14.0730, 10.6680
YIQ	80.0160, -59.9640, -36.6360

Conversions

Conversions Part 2

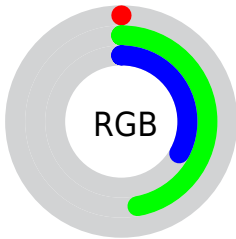
Format	Color
RYB	0, 71, 120
Decimal	30804
CIELab	44.34, -38.09, 11.83
CIELCh	44, 39.885, 162.748
Yxy	14.0730, 0.2516, 0.4257
Android (android.graphics.Color)	4278220884 (0xFF007854)
YUV	80.0160, 1.9641, -70.1740
Hunter-Lab	37.5140, -26.0729, 9.3993

Details

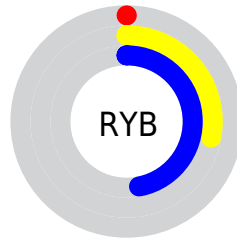
The Yxy color **14.0730, 0.2516, 0.4257** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1219, 0.5668, 0.2897**, and the grayscale version is **8.0338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1449, 0.2673, 0.3986**, and **4.5268, 0.2624, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **14.0729, 0.2516, 0.4258**, and if you desaturate by 10%, it is **14.2096, 0.2514, 0.4147**.

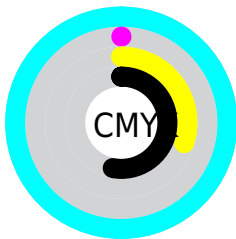
Distribution



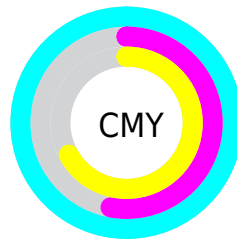
- Red (0%)
- Green (47%)
- Blue (33%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0730, 0.2516, 0.4257 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 14.0730, 0.2516, 0.4257 by changing the saturation by 10% instead.


 14.0730, 0.2516,
0.4257

 14.0730, 0.2516,
0.4257


217.6845, 0.2893,
0.3651


 8.1715, 0.2384,
0.4476


 33.2185, 0.2677,
0.3995


 4.2049, 0.2181,
0.4819

 47.2312, 0.2729,
0.3911


 1.7888, 0.1771,
0.5472

 64.7165, 0.2771,
0.3844

 0.4802, 0.0000,
1.0000


 86.0587, 0.2805,
0.3791


 0.0000, 0.0000,
0.0000


 111.6422, 0.2833,
0.3747


 141.8514, 0.2856,

0.3710


 177.0707, 0.2876,
0.3678


 14.0730, 0.2516,
0.4257


 14.0730, 0.2516,
0.4257


 14.0729, 0.2516,
0.4258

 14.2096, 0.2514,
0.4147

 14.3868, 0.2524,
0.4038

 14.6318, 0.2552,
0.3929

 14.9523, 0.2597,
0.3822

 15.3549, 0.2659,
0.3718

■ 15.8453, 0.2735,
0.3619

■ 16.4290, 0.2823,
0.3527

■ 17.1108, 0.2919,
0.3441

■ 17.8952, 0.3021,
0.3361

Harmonies

Analogous

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



14.0730, 0.3274, 0.4791



14.0730, 0.2516, 0.4257



14.0730, 0.1966, 0.3363

Triad

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



14.0730, 0.2516, 0.4257



14.0730, 0.2155, 0.2052



14.0730, 0.4761, 0.3637

Complementary

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



14.0730, 0.2516, 0.4257



4.1219, 0.5668, 0.2897

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.



14.0730, 0.4403, 0.3050



14.0730, 0.2516, 0.4257



14.0730, 0.2799, 0.2188

Square

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



14.0730, 0.2516, 0.4257



14.0730, 0.1796, 0.2173



14.0730, 0.3639, 0.2540



14.0730, 0.4596, 0.4231

Rectangle

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



14.0730, 0.2516, 0.4257



14.0730, 0.1772, 0.2821



14.0730, 0.3639, 0.2540



14.0730, 0.4700, 0.3437

Sweetspot

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



14.0736, 0.2516, 0.4257



28.8096, 0.2815, 0.3534



13.8458, 0.3180, 0.5857



6.7411, 0.2785, 0.3565



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.



14.0736, 0.2516, 0.4257



24.7277, 0.2523, 0.4283



10.0936, 0.2088, 0.2716



4.4929, 0.3030, 0.3355



15.3503, 0.2517, 0.4262



73.0665, 0.2533, 0.4318

Inverse Universe

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



4.1219, 0.5668, 0.2897



7.2257, 0.5730, 0.2930



4.5687, 0.6150, 0.3498



4.0330, 0.3234, 0.3226



4.4929, 0.5680, 0.2903



21.2978, 0.5810, 0.2974

Previews

White Background



This preview shows how the Yxy color 14.0730, 0.2516, 0.4257 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 14.0730, 0.2516, 0.4257 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 14.0730, 0.2516, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 14.0730, 0.2516, 0.4257.



This preview shows how white text looks on a background with the Yxy color 14.0730, 0.2516, 0.4257.

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

14.0730, 0.2516, 0.4257

Protanopia

13.8812, 0.3616, 0.3870

Deuteranopia

14.0050, 0.3598, 0.3559



Tritanopia

14.1678, 0.2311, 0.3076

Trichromacy



Original Color

14.0730, 0.2516, 0.4257

Protanomaly

13.0706, 0.2979, 0.4047

Deuteranomaly

12.9497, 0.2960, 0.3809

Tritanomaly

14.0334, 0.2367, 0.3488

Monochromacy



Original Color

14.0730, 0.2516, 0.4257

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.4823, 0.2704, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0730, 0.2516, 0.4257 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 84) }
```

Border

The CSS property to change the border of an element to Yxy 14.0730, 0.2516, 0.4257 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, 84) }
```

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

```
.border{ border-color:rgb(0, 120, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0730, 0.2516, 0.4257 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, 84) }
```

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

```
.background{ background-color: rgb(0, 120,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor