

Converting Colors

$Yxy(12.7534, 0.1648, 0.3464)$

Have a look what the booklet for
Yxy(12.7534, 0.1648, 0.3464)
contains.

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Color

$\text{Yxy}(14.6478, 0.2288, 0.3436)$

Conversions

Conversions Part 1

Format	Color
Hex	007872
RGB	0, 120, 114
RGB Percent	0%, 47%, 45%
CMY	0.9996, 0.5294, 0.5530
CMYK	1.00, 0.00, 0.05, 0.53
HSL	177°, 100%, 24%
HSV	177°, 100%, 47%
XYZ	9.7538, 14.6478, 18.2288
YIQ	83.4360, -69.5940, -27.3060

Conversions

Conversions Part 2

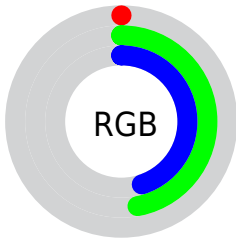
Format	Color
RYB	0, 62, 120
Decimal	30834
CIELab	45.15, -29.48, -4.80
CIELCh	45, 29.868, 189.251
Yxy	14.6478, 0.2288, 0.3436
Android (android.graphics.Color)	4278220914 (0xFF007872)
YUV	83.4360, 15.0681, -73.1734
Hunter-Lab	38.2724, -21.4856, -1.4485

Details

The Yxy color **14.6478, 0.2288, 0.3436** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.0085, 0.6311, 0.3252**, and the grayscale version is **8.7288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3026, 0.2487, 0.3405**, and **4.8998, 0.2301, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **14.6476, 0.2288, 0.3436**, and if you desaturate by 10%, it is **14.7403, 0.2306, 0.3420**.

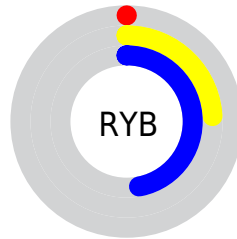
Distribution



Red (0%)

Green (47%)

Blue (45%)



Red (0%)

Yellow (24%)

Blue (47%)

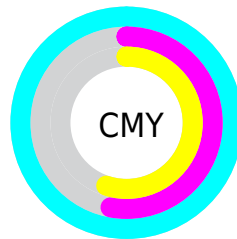


Cyan (100%)

Magenta (0%)

Yellow (5%)

Black (53%)



Cyan (100%)


Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6478, 0.2288, 0.3436 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 14.6478, 0.2288, 0.3436 by changing the saturation by 10% instead.


 14.6478, 0.2288,
0.3436


 14.6478, 0.2288,
0.3436


 221.2244, 0.2778,
0.3359


 8.5726, 0.2135,
0.3455


 34.2341, 0.2487,
0.3408


 4.4635, 0.1916,
0.3477

 48.5140, 0.2555,
0.3397


 1.9360, 0.1580,
0.3497


 66.2976, 0.2610,
0.3388

 0.5699, 0.0000,
0.3734

 87.9692, 0.2656,
0.3380

 0.0000, 0.0000,
0.0000

 113.9133, 0.2694,
0.3374

 144.5143, 0.2726,

0.3368

180.1565, 0.2754,
0.3363

■ 14.6478, 0.2288,
0.3436

■ 14.6478, 0.2288,
0.3436

■ 14.6476, 0.2288,
0.3436

■ 14.7403, 0.2306,
0.3420

■ 14.8707, 0.2335,
0.3404

■ 15.0660, 0.2381,
0.3388

■ 15.3339, 0.2445,
0.3373

■ 15.6810, 0.2525,
0.3357

■ 16.1129, 0.2622,
0.3342

■ 16.6350, 0.2733,
0.3328

■ 17.2522, 0.2856,
0.3314

■ 17.9688, 0.2989,
0.3301

Harmonies

Analogous

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



14.6478, 0.2748, 0.4045



14.6478, 0.2288, 0.3436



14.6478, 0.2057, 0.2851

Triad

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



14.6478, 0.2288, 0.3436



14.6478, 0.2823, 0.2413



14.6478, 0.4275, 0.3997

Complementary

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



14.6478, 0.2288, 0.3436



4.0085, 0.6311, 0.3252

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.



14.6478, 0.4330, 0.3539



14.6478, 0.2288, 0.3436



14.6478, 0.3441, 0.2676

Square

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



14.6478, 0.2288, 0.3436



14.6478, 0.2342, 0.2334



14.6478, 0.4016, 0.3074



14.6478, 0.3900, 0.4336

Rectangle

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



14.6478, 0.2288, 0.3436



14.6478, 0.2044, 0.2572



14.6478, 0.4016, 0.3074



14.6478, 0.4334, 0.3851

Sweetspot

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



14.6483, 0.2288, 0.3436



29.1769, 0.2724, 0.3329



13.4855, 0.3024, 0.5980



6.8371, 0.2685, 0.3334



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.



14.6483, 0.2288, 0.3436



25.7564, 0.2289, 0.3440



5.4958, 0.1851, 0.1863



4.5091, 0.3000, 0.3300



15.9789, 0.2288, 0.3437



76.1825, 0.2290, 0.3445

Inverse Universe

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



4.0085, 0.6311, 0.3252



7.0402, 0.6336, 0.3264



6.4540, 0.5539, 0.3982



4.0180, 0.3270, 0.3280



4.3699, 0.6317, 0.3254



20.8078, 0.6364, 0.3280

Previews

White Background



This preview shows how the Yxy color 14.6478, 0.2288, 0.3436 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 14.6478, 0.2288, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

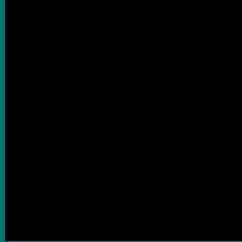
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6478, 0.2288, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 14.6478, 0.2288, 0.3436.



This preview shows how white text looks on a background with the Yxy color 14.6478, 0.2288, 0.3436.

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

14.6478, 0.2288, 0.3436

Protanopia

14.5999, 0.3169, 0.3290

Deuteranopia

14.6534, 0.3058, 0.3007



Tritanopia

14.7484, 0.2243, 0.3055

Trichromacy



Original Color

14.6478, 0.2288, 0.3436

Protanomaly

13.7382, 0.2647, 0.3336

Deuteranomaly

13.7758, 0.2585, 0.3127

Tritanomaly

14.7429, 0.2253, 0.3192

Monochromacy



Original Color

14.6478, 0.2288, 0.3436

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.9308, 0.2583, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6478, 0.2288, 0.3436 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 114) }
```

Border

The CSS property to change the border of an element to Yxy 14.6478, 0.2288, 0.3436 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, 114) }
```

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

```
.border{ border-color:rgb(0, 120, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6478, 0.2288, 0.3436 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, 114) }
```

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

```
.background{ background-color: rgb(0, 120,  
114) }
```

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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