

Converting Colors

$Yxy(13.1923, 0.1889, 0.3321)$

Have a look what the booklet for
Yxy(13.1923, 0.1889, 0.3321)
contains.

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Color

$Y_{xy}(14.2412, 0.2253, 0.3312)$

Conversions

Conversions Part 1

Format	Color
Hex	007675
RGB	0, 118, 117
RGB Percent	0%, 46%, 46%
CMY	1.0000, 0.5372, 0.5411
CMYK	1.00, 0.00, 0.01, 0.54
HSL	179°, 100%, 23%
HSV	179°, 100%, 46%
XYZ	9.6876, 14.2412, 19.0700
YIQ	82.6040, -70.0070, -25.3270

Conversions

Conversions Part 2

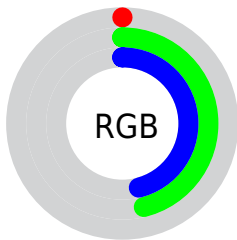
Format	Color
RYB	0, 59, 118
Decimal	30325
CIELab	44.58, -27.55, -7.46
CIELCh	45, 28.540, 195.145
Yxy	14.2412, 0.2253, 0.3312
Android (android.graphics.Color)	4278220405 (0xFF007675)
YUV	82.6040, 16.9572, -72.4437
Hunter-Lab	37.7375, -20.2178, -3.5449

Details

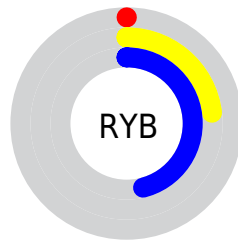
The Yxy color **14.2412, 0.2253, 0.3312** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8542, 0.6385, 0.3291**, and the grayscale version is **8.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6527, 0.2462, 0.3321**, and **4.6859, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **14.2430, 0.2253, 0.3312**, and if you desaturate by 10%, it is **14.3221, 0.2275, 0.3309**.

Distribution



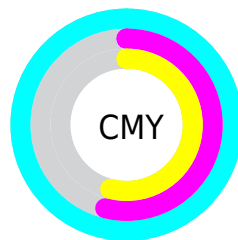
- Red (0%)
- Green (46%)
- Blue (46%)



- Red (0%)
- Yellow (23%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (54%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2412, 0.2253, 0.3312 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 14.2412, 0.2253, 0.3312 by changing the saturation by 10% instead.


 14.2412, 0.2253,
0.3312


 14.2412, 0.2253,
0.3312


 218.7262, 0.2763,
0.3311


 8.2886, 0.2094,
0.3304


 33.5164, 0.2460,
0.3316


 4.2802, 0.1867,
0.3285

 47.6078, 0.2531,
0.3316


 1.8315, 0.1522,
0.3237

 65.1809, 0.2588,
0.3316

 0.5067, 0.0000,
0.3199

 86.6202, 0.2635,
0.3315

 0.0000, 0.0000,
0.0000

 112.3099, 0.2675,
0.3314

 142.6346, 0.2709,

0.3313

177.9786, 0.2738,
0.3312

■ 14.2412, 0.2253,
0.3312

■ 14.2412, 0.2253,
0.3312

■ 14.2430, 0.2253,
0.3312

■ 14.3221, 0.2275,
0.3309

■ 14.4371, 0.2307,
0.3307

■ 14.6145, 0.2355,
0.3304

■ 14.8616, 0.2421,
0.3302

■ 15.1847, 0.2504,
0.3300

■ 15.5894, 0.2604,
0.3297

■ 16.0806, 0.2718,
0.3295

■ 16.6631, 0.2845,
0.3293

■ 17.3411, 0.2982,
0.3292

Harmonies

Analogous

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



14.2412, 0.2661, 0.3913



14.2412, 0.2253, 0.3312



14.2412, 0.2076, 0.2778

Triad

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



14.2412, 0.2253, 0.3312



14.2412, 0.2946, 0.2477



14.2412, 0.4187, 0.4054

Complementary

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



14.2412, 0.2253, 0.3312



3.8542, 0.6385, 0.3291

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.



14.2412, 0.4306, 0.3625



14.2412, 0.2253, 0.3312



14.2412, 0.3550, 0.2763

Square

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



14.2412, 0.2253, 0.3312



14.2412, 0.2444, 0.2363



14.2412, 0.4069, 0.3169



14.2412, 0.3779, 0.4337

Rectangle

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



14.2412, 0.2253, 0.3312



14.2412, 0.2094, 0.2537



14.2412, 0.4069, 0.3169



14.2412, 0.4264, 0.3920

Sweetspot

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



14.2430, 0.2253, 0.3312



28.2016, 0.2709, 0.3295



12.9712, 0.3006, 0.5995



6.4155, 0.2670, 0.3296



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.



14.2430, 0.2253, 0.3312



25.0398, 0.2254, 0.3313



4.6425, 0.1805, 0.1697



4.1548, 0.2996, 0.3291



15.4069, 0.2253, 0.3312



75.0730, 0.2254, 0.3313

Inverse Universe

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



3.8542, 0.6385, 0.3291



6.7751, 0.6389, 0.3293



6.7819, 0.5398, 0.4096



3.7013, 0.3274, 0.3289



4.1691, 0.6386, 0.3292



20.3102, 0.6395, 0.3296

Previews

White Background



This preview shows how the Yxy color 14.2412, 0.2253, 0.3312 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 14.2412, 0.2253, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

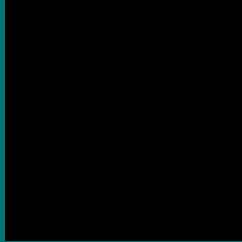
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2412, 0.2253, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 14.2412, 0.2253, 0.3312.



This preview shows how white text looks on a background with the Yxy color 14.2412, 0.2253, 0.3312.

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

14.2412, 0.2253, 0.3312

Protanopia

14.2714, 0.3089, 0.3205

Deuteranopia

14.2447, 0.2979, 0.2941



Tritanopia

14.3995, 0.2233, 0.3075

Trichromacy



Original Color

14.2412, 0.2253, 0.3312

Protanomaly

13.5150, 0.2594, 0.3241

Deuteranomaly

13.3222, 0.2539, 0.3034

Tritanomaly

14.2460, 0.2233, 0.3143

Monochromacy



Original Color

14.2412, 0.2253, 0.3312

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.9488, 0.2572, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2412, 0.2253, 0.3312 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, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 117)  
}
```

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, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 117) }
```

Border

The CSS property to change the border of an element to Yxy 14.2412, 0.2253, 0.3312 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, 118, 117) }
```

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

```
.border{ border-color:rgb(0, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2412, 0.2253, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 117) }
```

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

```
.background{ background-color: rgb(0, 118,  
117) }
```

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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