

Converting Colors

$Y_{xy}(14.7568, 0.3197, 0.3014)$

Have a look what the booklet for
Yxy(14.7568, 0.3197, 0.3014)
contains.

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Color

Yxy(14.7568, 0.3197, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	786674
RGB	120, 102, 116
RGB Percent	47%, 40%, 45%
CMY	0.5293, 0.6000, 0.5450
CMYK	0.00, 0.15, 0.03, 0.53
HSL	313°, 8%, 44%
HSV	313°, 15%, 47%
XYZ	15.6528, 14.7568, 18.5513
YIQ	108.9780, 6.2340, 8.1700

Conversions

Conversions Part 2

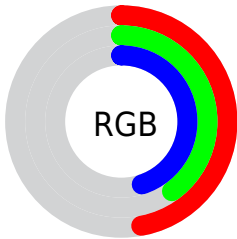
Format	Color
R_{YB}	120, 102, 116
Decimal	7890548
CIE Lab	45.30, 9.84, -5.19
CIE LCh	45, 11.127, 332.216
Yxy	14.7568, 0.3197, 0.3014
Android (android.graphics.Color)	4286080628 (0xFF786674)
YUV	108.9780, 3.4618, 9.6663
Hunter-Lab	38.4146, 5.5079, -1.7423

Details

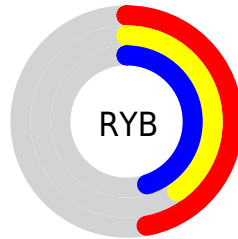
The Yxy color **14.7568, 0.3197, 0.3014** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3040, 0.3064, 0.3583**, and the grayscale version is **15.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3803, 0.3177, 0.3079**, and **4.4893, 0.3217, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **12.5056, 0.3252, 0.2824**, and if you desaturate by 10%, it is **17.3527, 0.3149, 0.3200**.

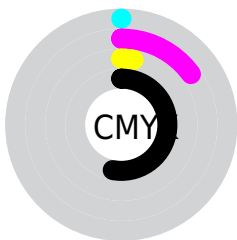
Distribution



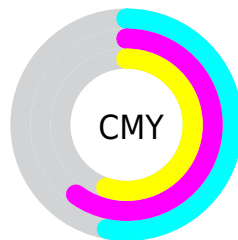
- Red (47%)
- Green (40%)
- Blue (45%)



- Red (47%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (3%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7568, 0.3197, 0.3014 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 14.7568, 0.3197, 0.3014 by changing the saturation by 10% instead.


 14.7568, 0.3197,
0.3014


 14.7568, 0.3197,
0.3014


221.8894, 0.3157,
0.3175

 8.6489, 0.3209,
0.2963


 34.4260, 0.3181,
0.3080


 4.5129, 0.3227,
0.2889

 48.7560, 0.3175,
0.3102

 1.9644, 0.3254,
0.2772

 66.5955, 0.3171,
0.3120

 0.5867, 0.3344,
0.2458

 88.3290, 0.3167,
0.3135

 0.0000, 0.0000,
0.0000

114.3407, 0.3164,
0.3148

145.0151, 0.3161,

0.3158

180.7365, 0.3159,
0.3167

■ 14.7568, 0.3197,
0.3014

■ 14.7568, 0.3197,
0.3014

■ 12.5056, 0.3252,
0.2824

■ 17.3527, 0.3149,
0.3200

■ 10.5825, 0.3315,
0.2633

■ 20.3051, 0.3107,
0.3377

■ 8.9725, 0.3385,
0.2448

■ 23.6276, 0.3072,
0.3544

■ 7.6586, 0.3461,
0.2278

■ 27.3325, 0.3042,
0.3700

■ 6.6222, 0.3542,
0.2131

■ 31.4318, 0.3016,
0.3845

■ 5.8425, 0.3627,
0.2015

■ 35.9365, 0.2995,
0.3978

■ 5.2961, 0.3712,
0.1939

■ 40.8575, 0.2977,
0.4100

■ 4.9448, 0.3795,
0.1902

■ 46.2053, 0.2961,
0.4212

■ 4.7913, 0.3838,
0.1888

■ 51.9898, 0.2949,
0.4314

Harmonies

Analogous

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



14.7568, 0.2968, 0.2922



14.7568, 0.3197, 0.3014



14.7568, 0.3413, 0.3173

Triad

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



14.7568, 0.3197, 0.3014



14.7568, 0.3470, 0.3669



14.7568, 0.2719, 0.3190

Complementary

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



14.7568, 0.3197, 0.3014



17.3040, 0.3064, 0.3583

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.



14.7568, 0.2844, 0.3404



14.7568, 0.3197, 0.3014



14.7568, 0.3275, 0.3689

Square

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



14.7568, 0.3197, 0.3014



14.7568, 0.3573, 0.3547



14.7568, 0.3046, 0.3591



14.7568, 0.2699, 0.3014

Rectangle

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



14.7568, 0.3197, 0.3014



14.7568, 0.3518, 0.3300



14.7568, 0.3046, 0.3591



14.7568, 0.2750, 0.3260

Sweetspot

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



14.7574, 0.3197, 0.3014



30.4588, 0.3149, 0.3198



13.9159, 0.2950, 0.2917



7.1531, 0.3152, 0.3188



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.



14.7574, 0.3197, 0.3014



24.5249, 0.3215, 0.2949



14.5598, 0.3319, 0.3188



4.0630, 0.3168, 0.3125



5.2226, 0.3841, 0.1890



24.7803, 0.3881, 0.1911

Inverse Universe

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



14.7574, 0.3197, 0.3014



24.5249, 0.3215, 0.2949



17.4992, 0.2965, 0.3394



4.0630, 0.3168, 0.3125



5.2226, 0.3841, 0.1890



24.7803, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 14.7568, 0.3197, 0.3014 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 14.7568, 0.3197, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

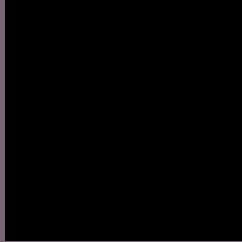
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7568, 0.3197, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 14.7568, 0.3197, 0.3014.



This preview shows how white text looks on a background with the Yxy color 14.7568, 0.3197, 0.3014.

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

14.7568, 0.3197, 0.3014

Protanopia

14.9115, 0.2965, 0.3043

Deuteranopia

14.7390, 0.3111, 0.3048



Tritanopia

14.7701, 0.3249, 0.3131

Trichromacy



Original Color

14.7568, 0.3197, 0.3014

Protanomaly

14.7907, 0.3044, 0.3026

Deuteranomaly

14.6745, 0.3139, 0.3030

Tritanomaly

14.8147, 0.3222, 0.3091

Monochromacy



Original Color

14.7568, 0.3197, 0.3014

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9886, 0.3147, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7568, 0.3197, 0.3014 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(120, 102, 116)` looks like.

```
.text, #text, p{  
    color:rgb(120, 102, 116)  
}
```

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(120, 102, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 102, 116) }
```

Border

The CSS property to change the border of an element to Yxy 14.7568, 0.3197, 0.3014 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(120, 102, 116) }
```

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

```
.border{ border-color:rgb(120, 102, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 102, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 102, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 102, 116);  
box-shadow:4px 4px 4px 4px rgb(120, 102,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7568, 0.3197, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 102, 116) }
```

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

```
.background{ background-color: rgb(120,  
102, 116) }
```

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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