

Converting Colors

$Y_{xy}(14.7358, 0.2853, 0.3359)$

Have a look what the booklet for
Yxy(14.7358, 0.2853, 0.3359)
contains.

Yxy(14.7187, 0.2847, 0.3356)	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

Yxy(14.7187, 0.2847, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	57706D
RGB	87, 112, 109
RGB Percent	34%, 44%, 43%
CMY	0.6588, 0.5608, 0.5725
CMYK	0.22, 0.00, 0.03, 0.56
HSL	173°, 13%, 39%
HSV	173°, 22%, 44%
XYZ	12.4863, 14.7187, 16.6528
YIQ	104.1830, -13.9370, -6.2330

Conversions

Conversions Part 2

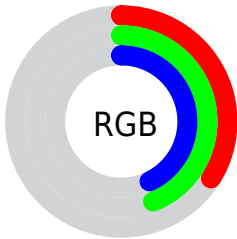
Format	Color
R_{YB}	87, 100, 112
Decimal	5730413
CIE _{Lab}	45.25, -9.82, -1.36
CIE _{LCh}	45, 9.910, 187.881
Yxy	14.7187, 0.2847, 0.3356
Android (android.graphics.Color)	4283920493 (0xFF57706D)
YUV	104.1830, 2.3748, -15.0695
Hunter-Lab	38.3650, -9.0437, 1.1198

Details

The Yxy color **14.7187, 0.2847, 0.3356** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0020, 0.3500, 0.3226**, and the grayscale version is **13.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4073, 0.2916, 0.3351**, and **4.4860, 0.2712, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **14.1926, 0.2734, 0.3390**, and if you desaturate by 10%, it is **15.3301, 0.2969, 0.3325**.

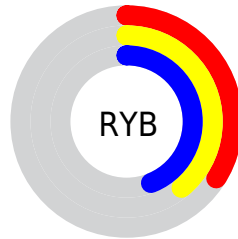
Distribution



Red (34%)

Green (44%)

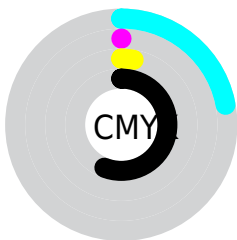
Blue (43%)



Red (34%)

Yellow (39%)

Blue (44%)

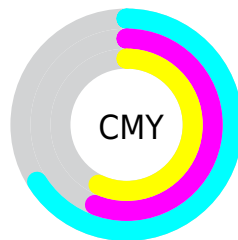


Cyan (22%)

Magenta (0%)

Yellow (3%)

Black (56%)



Cyan (66%)


Magenta (56%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7187, 0.2847, 0.3356 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 14.7187, 0.2847, 0.3356 by changing the saturation by 10% instead.

 14.7187, 0.2847,
0.3356


 14.7187, 0.2847,
0.3356


221.6572, 0.3013,
0.3318


 8.6222, 0.2793,
0.3368


 34.3589, 0.2915,
0.3340


 4.4956, 0.2713,
0.3385

 48.6715, 0.2938,
0.3335


 1.9545, 0.2584,
0.3412

 66.4915, 0.2957,
0.3331

 0.5808, 0.1928,
0.3584

 88.2033, 0.2972,
0.3327

 0.0000, 0.0000,
0.0000

 114.1914, 0.2985,
0.3324

144.8402, 0.2996,

0.3322

180.5340, 0.3005,
0.3320

■ 14.7187, 0.2847,
0.3356

■ 14.7187, 0.2847,
0.3356

■ 14.1926, 0.2734,
0.3390

■ 15.3301, 0.2969,
0.3325

■ 13.7462, 0.2633,
0.3425

■ 16.0286, 0.3097,
0.3296

■ 13.3758, 0.2545,
0.3462

■ 16.8182, 0.3229,
0.3270

■ 13.0771, 0.2473,
0.3501

■ 17.7021, 0.3364,
0.3247

■ 12.8449, 0.2418,
0.3540

■ 18.6833, 0.3498,
0.3226

■ 12.6737, 0.2380,
0.3580

■ 19.7648, 0.3631,
0.3207

■ 12.5564, 0.2359,
0.3619

■ 20.9493, 0.3761,
0.3191

■ 12.4810, 0.2347,
0.3650

■ 22.2396, 0.3888,
0.3177

■ 23.6382, 0.4010,
0.3165

Harmonies

Analogous

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



14.7187, 0.3018, 0.3531



14.7187, 0.2847, 0.3356



14.7187, 0.2751, 0.3168

Triad

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



14.7187, 0.2847, 0.3356



14.7187, 0.3023, 0.2970



14.7187, 0.3515, 0.3546

Complementary

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



14.7187, 0.2847, 0.3356



11.0020, 0.3500, 0.3226

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.



14.7187, 0.3518, 0.3391



14.7187, 0.2847, 0.3356



14.7187, 0.3229, 0.3066

Square

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



14.7187, 0.2847, 0.3356



14.7187, 0.2850, 0.2953



14.7187, 0.3412, 0.3218



14.7187, 0.3405, 0.3639

Rectangle

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



14.7187, 0.2847, 0.3356



14.7187, 0.2741, 0.3063



14.7187, 0.3412, 0.3218



14.7187, 0.3529, 0.3499

Sweetspot

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



14.7193, 0.2847, 0.3356



27.5411, 0.3034, 0.3310



14.4675, 0.3144, 0.3866



6.6053, 0.3029, 0.3311



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7193, 0.2847, 0.3356



25.3413, 0.2785, 0.3374



12.8652, 0.2800, 0.3081



3.8086, 0.3010, 0.3315



14.4272, 0.2348, 0.3653



71.7841, 0.2354, 0.3675

Inverse Universe

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



11.0020, 0.3500, 0.3226



17.5248, 0.3619, 0.3209



12.5310, 0.3510, 0.3490



3.4074, 0.3257, 0.3265



4.0150, 0.6189, 0.3183



19.9296, 0.6279, 0.3233

Previews

White Background



This preview shows how the Yxy color 14.7187, 0.2847, 0.3356 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 14.7187, 0.2847, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

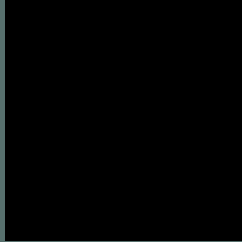
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7187, 0.2847, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 14.7187, 0.2847, 0.3356.



This preview shows how white text looks on a background with the Yxy color 14.7187, 0.2847, 0.3356.

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

14.7187, 0.2847, 0.3356

Protanopia

14.5999, 0.3169, 0.3290

Deuteranopia

14.6932, 0.3190, 0.3148



Tritanopia

14.6076, 0.2759, 0.3094

Trichromacy



Original Color

14.7187, 0.2847, 0.3356

Protanomaly

14.5534, 0.3045, 0.3311

Deuteranomaly

14.6444, 0.3062, 0.3226

Tritanomaly

14.6814, 0.2792, 0.3201

Monochromacy



Original Color

14.7187, 0.2847, 0.3356

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.1527, 0.3018, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7187, 0.2847, 0.3356 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(87, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(87, 112, 109)  
}
```

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(87, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 112, 109) }
```

Border

The CSS property to change the border of an element to Yxy 14.7187, 0.2847, 0.3356 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(87, 112, 109) }
```

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

```
.border{ border-color:rgb(87, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(87, 112,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7187, 0.2847, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 112, 109) }
```

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

```
.background{ background-color: rgb(87, 112,  
109) }
```

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