

Converting Colors

$Y_{xy}(17.2959, 0.2801, 0.3227)$

Have a look what the booklet for
Yxy(17.2959, 0.2801, 0.3227)
contains.

Yxy(17.2959, 0.2801, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2959, 0.2801, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	5F787B
RGB	95, 120, 123
RGB Percent	37%, 47%, 48%
CMY	0.6274, 0.5294, 0.5176
CMYK	0.23, 0.02, 0.00, 0.52
HSL	186°, 13%, 43%
HSV	186°, 23%, 48%
XYZ	15.0126, 17.2959, 21.2889
YIQ	112.8670, -15.8630, -4.3670

Conversions

Conversions Part 2

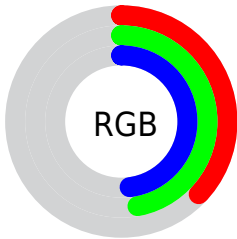
Format	Color
R_{YB}	95, 108, 123
Decimal	6256763
CIE _{Lab}	48.63, -8.30, -4.65
CIE _{LCh}	49, 9.516, 209.243
Yxy	17.2959, 0.2801, 0.3227
Android (android.graphics.Color)	4284446843 (0xFF5F787B)
YUV	112.8670, 4.9956, -15.6694
Hunter-Lab	41.5883, -8.3443, -1.2385

Details

The Yxy color **17.2959, 0.2801, 0.3227** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7791, 0.3553, 0.3352**, and the grayscale version is **16.4619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7112, 0.2879, 0.3246**, and **5.7575, 0.2671, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **16.3728, 0.2670, 0.3196**, and if you desaturate by 10%, it is **18.3289, 0.2941, 0.3256**.

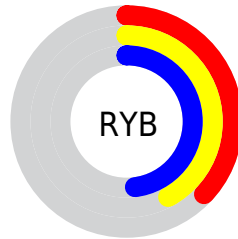
Distribution



Red (37%)

Green (47%)

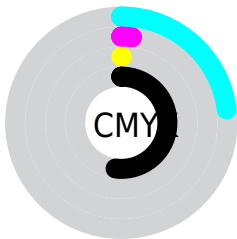
Blue (48%)



Red (37%)

Yellow (42%)

Blue (48%)

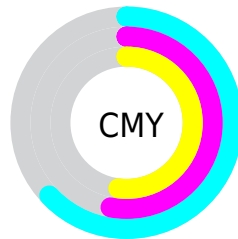


Cyan (23%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (63%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2959, 0.2801, 0.3227 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 17.2959, 0.2801, 0.3227 by changing the saturation by 10% instead.

■ 17.2959, 0.2801,
0.3227

■ 17.2959, 0.2801,
0.3227

236.8718, 0.2989,
0.3266

■ 10.4457, 0.2743,
0.3214

■ 38.8338, 0.2877,
0.3243

■ 5.6954, 0.2659,
0.3194

■ 54.2903, 0.2903,
0.3249

■ 2.6608, 0.2530,
0.3161

■ 73.3844, 0.2924,
0.3253

■ 0.9573, 0.2286,
0.3102

■ 96.5004, 0.2942,
0.3256

■ 0.0000, 0.0000,
0.0000

124.0228, 0.2956,
0.3259

156.3359, 0.2969,

0.3262

193.8241, 0.2980,
0.3264

■ 17.2959, 0.2801,
0.3227

■ 17.2959, 0.2801,
0.3227

■ 16.3728, 0.2670,
0.3196

■ 18.3289, 0.2941,
0.3256

■ 15.5525, 0.2549,
0.3163

■ 19.4742, 0.3086,
0.3283

■ 14.8305, 0.2442,
0.3129

■ 20.7368, 0.3235,
0.3308

■ 14.2009, 0.2351,
0.3093

■ 22.1208, 0.3385,
0.3330

■ 13.6576, 0.2276,
0.3058

■ 23.6300, 0.3533,
0.3350

■ 13.1931, 0.2219,
0.3022

■ 25.2681, 0.3679,
0.3367

■ 12.7987, 0.2180,
0.2986

■ 27.0387, 0.3821,
0.3383

■ 12.5337, 0.2156,
0.2960

■ 28.9452, 0.3958,
0.3396

■ 30.9908, 0.4089,
0.3408

Harmonies

Analogous

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



17.2959, 0.2911, 0.3400



17.2959, 0.2801, 0.3227



17.2959, 0.2776, 0.3079

Triad

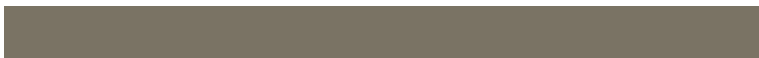
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.2959, 0.2801, 0.3227



17.2959, 0.3166, 0.3054



17.2959, 0.3418, 0.3591

Complementary

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



17.2959, 0.2801, 0.3227



13.7791, 0.3553, 0.3352

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.



17.2959, 0.3491, 0.3487



17.2959, 0.2801, 0.3227



17.2959, 0.3344, 0.3181

Square

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



17.2959, 0.2801, 0.3227



17.2959, 0.2982, 0.2985



17.2959, 0.3464, 0.3338



17.2959, 0.3266, 0.3614

Rectangle

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



17.2959, 0.2801, 0.3227



17.2959, 0.2809, 0.3013



17.2959, 0.3464, 0.3338



17.2959, 0.3453, 0.3564

Sweetspot

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



17.2966, 0.2801, 0.3227



33.9365, 0.3022, 0.3271



17.4805, 0.3069, 0.3831



7.9715, 0.3015, 0.3270



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.2966, 0.2801, 0.3227



30.1332, 0.2735, 0.3212



14.2165, 0.2780, 0.2933



4.4423, 0.2994, 0.3266



12.9592, 0.2156, 0.2960



61.0639, 0.2150, 0.2941

Inverse Universe

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



13.7553, 0.3194, 0.2807



22.7271, 0.3211, 0.2701



16.5853, 0.3497, 0.3623



4.0704, 0.3152, 0.3101



5.5151, 0.3490, 0.1696



26.2316, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 17.2959, 0.2801, 0.3227 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 17.2959, 0.2801, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

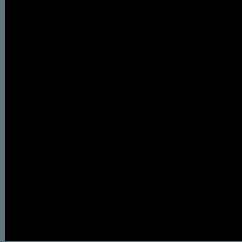
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

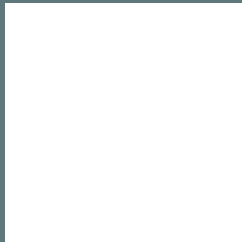
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.2959, 0.2801, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 17.2959, 0.2801, 0.3227.



This preview shows how white text looks on a background with the Yxy color 17.2959, 0.2801, 0.3227.

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

17.2959, 0.2801, 0.3227

Protanopia

17.3305, 0.3081, 0.3192

Deuteranopia

17.2066, 0.3100, 0.3044



Tritanopia

17.2654, 0.2750, 0.3086

Trichromacy



Original Color

17.2959, 0.2801, 0.3227

Protanomaly

17.2912, 0.2969, 0.3210

Deuteranomaly

17.1614, 0.2984, 0.3113

Tritanomaly

17.2128, 0.2770, 0.3126

Monochromacy



Original Color

17.2959, 0.2801, 0.3227

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8393, 0.2990, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2959, 0.2801, 0.3227 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(95, 120, 123) looks like.

```
.text, #text, p{  
  color:rgb(95, 120, 123)  
}
```

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(95, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 120, 123) }
```

Border

The CSS property to change the border of an element to Yxy 17.2959, 0.2801, 0.3227 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(95, 120, 123) }
```

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

```
.border{ border-color:rgb(95, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(95, 120,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2959, 0.2801, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 120, 123) }
```

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

```
.background{ background-color: rgb(95, 120,  
123) }
```

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