

Converting Colors

$Y_{xy}(17.4902, 0.2489, 0.3251)$

Have a look what the booklet for
Yxy(17.4902, 0.2489, 0.3251)
contains.

Yxy(17.5440, 0.2496, 0.3267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5440, 0.2496, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	407E7F
RGB	64, 126, 127
RGB Percent	25%, 49%, 50%
CMY	0.7491, 0.5059, 0.5020
CMYK	0.50, 0.01, 0.00, 0.50
HSL	181°, 33%, 37%
HSV	181°, 50%, 50%
XYZ	13.4037, 17.5440, 22.7530
YIQ	107.5760, -37.2730, -12.8330

Conversions

Conversions Part 2

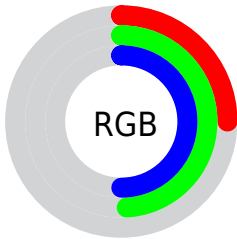
Format	Color
RYB	64, 95, 127
Decimal	4226687
CIELab	48.94, -19.65, -6.72
CIELCh	49, 20.769, 198.880
Yxy	17.5440, 0.2496, 0.3267
Android (android.graphics.Color)	4282416767 (0xFF407E7F)
YUV	107.5760, 9.5760, -38.2162
Hunter-Lab	41.8856, -16.1784, -2.8875

Details

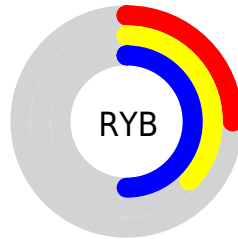
The Yxy color **17.5440, 0.2496, 0.3267** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6555, 0.4426, 0.3313**, and the grayscale version is **14.8503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3174, 0.2639, 0.3273**, and **5.8578, 0.2237, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **17.1163, 0.2410, 0.3262**, and if you desaturate by 10%, it is **18.0701, 0.2599, 0.3272**.

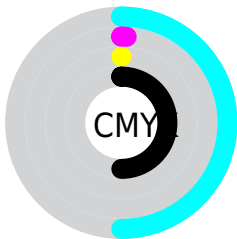
Distribution



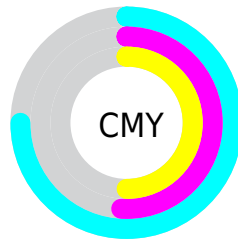
- Red (25%)
- Green (49%)
- Blue (50%)



- Red (25%)
- Yellow (37%)
- Blue (50%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)




- Cyan (75%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5440, 0.2496, 0.3267 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 17.5440, 0.2496, 0.3267 by changing the saturation by 10% instead.


 17.5440, 0.2496,
0.3267


 17.5440, 0.2496,
0.3267


238.2881, 0.2857,
0.3287


 10.6231, 0.2387,
0.3257


 39.2588, 0.2640,
0.3277


 5.8140, 0.2234,
0.3239

 54.8214, 0.2690,
0.3280


 2.7323, 0.2002,
0.3205

 74.0335, 0.2731,
0.3282

 0.9936, 0.1474,
0.3178

 97.2793, 0.2764,
0.3284

 0.0000, 0.0000,
0.0000

 124.9432, 0.2793,
0.3285

157.4098, 0.2817,

0.3286

195.0632, 0.2838,
0.3287

■ 17.5440, 0.2496,
0.3267

■ 17.5440, 0.2496,
0.3267

■ 17.1163, 0.2410,
0.3262

■ 18.0701, 0.2599,
0.3272

■ 16.7782, 0.2341,
0.3257

■ 18.6987, 0.2716,
0.3277

■ 16.5230, 0.2291,
0.3252

■ 19.4359, 0.2846,
0.3282

■ 16.3419, 0.2257,
0.3247

■ 20.2868, 0.2986,
0.3286

■ 16.2082, 0.2235,
0.3242

■ 21.2564, 0.3133,
0.3290

■ 16.2032, 0.2234,
0.3242

■ 22.3492, 0.3285,
0.3294

■ 23.5694, 0.3439,
0.3297

■ 24.9212, 0.3593,
0.3301

■ 26.4084, 0.3745,
0.3303

Harmonies

Analogous

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



17.5440, 0.2771, 0.3658



17.5440, 0.2496, 0.3267



17.5440, 0.2385, 0.2915

Triad

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



17.5440, 0.2496, 0.3267



17.5440, 0.3060, 0.2735



17.5440, 0.3833, 0.3864

Complementary

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



17.5440, 0.2496, 0.3267



8.6555, 0.4426, 0.3313

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.



17.5440, 0.3931, 0.3585



17.5440, 0.2496, 0.3267



17.5440, 0.3468, 0.2956

Square

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



17.5440, 0.2496, 0.3267



17.5440, 0.2693, 0.2639



17.5440, 0.3796, 0.3258



17.5440, 0.3543, 0.4010

Rectangle

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



17.5440, 0.2496, 0.3267



17.5440, 0.2411, 0.2752



17.5440, 0.3796, 0.3258



17.5440, 0.3890, 0.3781

Sweetspot

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



17.5447, 0.2496, 0.3267



35.4389, 0.2904, 0.3284



16.6337, 0.3057, 0.4786



8.2353, 0.2880, 0.3283



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.5447, 0.2496, 0.3267



30.5383, 0.2396, 0.3261



10.8919, 0.2365, 0.2556



4.8758, 0.2993, 0.3286



16.3455, 0.2234, 0.3242



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6812, 0.3197, 0.2157



14.6994, 0.3212, 0.1938



13.1516, 0.4108, 0.3912



4.4113, 0.3139, 0.3081



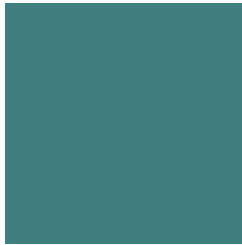
6.0446, 0.3247, 0.1562



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5440, 0.2496, 0.3267 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 17.5440, 0.2496, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

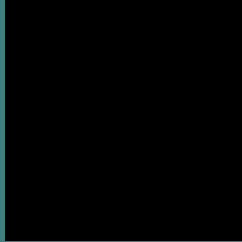
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5440, 0.2496, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 17.5440, 0.2496, 0.3267.

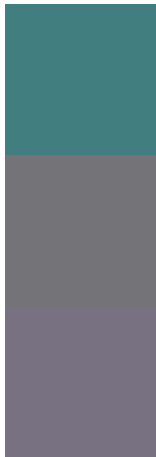


This preview shows how white text looks on a background with the Yxy color 17.5440, 0.2496, 0.3267.

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

17.5440, 0.2496, 0.3267

Protanopia

17.3305, 0.3081, 0.3192

Deuteranopia

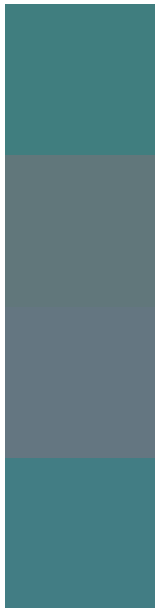
17.4150, 0.3015, 0.2970



Tritanopia

17.6098, 0.2451, 0.3078

Trichromacy



Original Color

17.5440, 0.2496, 0.3267

Protanomaly

17.1651, 0.2822, 0.3207

Deuteranomaly

17.2512, 0.2792, 0.3069

Tritanomaly

17.4914, 0.2467, 0.3139

Monochromacy



Original Color

17.5440, 0.2496, 0.3267

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.7746, 0.2844, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5440, 0.2496, 0.3267 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(64, 126, 127)` looks like.

```
.text, #text, p{  
  color:rgb(64, 126, 127)  
}
```

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(64, 126, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 126, 127) }
```

Border

The CSS property to change the border of an element to Yxy 17.5440, 0.2496, 0.3267 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(64, 126, 127) }
```

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

```
.border{ border-color:rgb(64, 126, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 126, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 126, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 126, 127);  
box-shadow:4px 4px 4px 4px rgb(64, 126,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5440, 0.2496, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 126, 127) }
```

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

```
.background{ background-color: rgb(64, 126,  
127) }
```

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