

Converting Colors

$Y_{xy}(17.6469, 0.2427, 0.3086)$

Have a look what the booklet for
Yxy(17.6469, 0.2427, 0.3086)
contains.

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Color

Yxy(17.7610, 0.2433, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	407E87
RGB	64, 126, 135
RGB Percent	25%, 49%, 53%
CMY	0.7491, 0.5059, 0.4705
CMYK	0.53, 0.07, 0.00, 0.47
HSL	188°, 36%, 39%
HSV	188°, 53%, 53%
XYZ	13.9485, 17.7610, 25.6210
YIQ	108.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

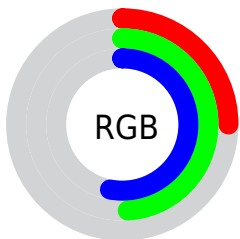
Format	Color
RYB	64, 97, 135
Decimal	4226695
CIELab	49.20, -17.32, -11.05
CIElCh	49, 20.547, 212.539
Yxy	17.7610, 0.2433, 0.3098
Android (android.graphics.Color)	4282416775 (0xFF407E87)
YUV	108.4880, 13.0704, -39.0160
Hunter-Lab	42.1438, -14.6727, -6.5443

Details

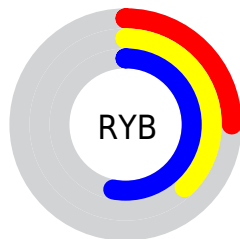
The Yxy color **17.7610, 0.2433, 0.3098** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2876, 0.4475, 0.3461**, and the grayscale version is **15.1111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6529, 0.2588, 0.3155**, and **5.9636, 0.2171, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **16.9281, 0.2339, 0.3056**, and if you desaturate by 10%, it is **18.7123, 0.2543, 0.3139**.

Distribution



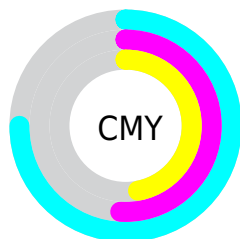
- Red (25%)
- Green (49%)
- Blue (53%)



- Red (25%)
- Yellow (38%)
- Blue (53%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)





- Cyan (75%)
- Magenta (51%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7610, 0.2433, 0.3098 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 17.7610, 0.2433, 0.3098 by changing the saturation by 10% instead.


 17.7610, 0.2433,
0.3098


 17.7610, 0.2433,
0.3098


239.5205, 0.2827,
0.3218


 10.7785, 0.2316,
0.3057


 39.6297, 0.2589,
0.3149


 5.9181, 0.2152,
0.2994

 55.2846, 0.2644,
0.3166

 2.7954, 0.1910,
0.2891

 74.5992, 0.2688,
0.3179

 1.0258, 0.1445,
0.2717

 97.9579, 0.2725,
0.3189

 0.0000, 0.0000,
0.0000

 125.7449, 0.2757,
0.3198

158.3447, 0.2783,

0.3206

196.1418, 0.2806,
0.3212

■ 17.7610, 0.2433,
0.3098

■ 17.7610, 0.2433,
0.3098

■ 16.9281, 0.2339,
0.3056

■ 18.7123, 0.2543,
0.3139

■ 16.2036, 0.2262,
0.3013

■ 19.7874, 0.2666,
0.3178

■ 15.5788, 0.2203,
0.2969

■ 20.9935, 0.2799,
0.3216

■ 15.0431, 0.2162,
0.2927

■ 22.3368, 0.2941,
0.3250

■ 14.6788, 0.2138,
0.2895

■ 23.8231, 0.3088,
0.3282

■ 25.4577, 0.3238,
0.3311

■ 27.2459, 0.3388,
0.3337

■ 29.1925, 0.3537,
0.3361

■ 31.3020, 0.3683,
0.3382

Harmonies

Analogous

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



17.7610, 0.2635, 0.3481



17.7610, 0.2433, 0.3098



17.7610, 0.2404, 0.2804

Triad

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



17.7610, 0.2433, 0.3098



17.7610, 0.3246, 0.2828



17.7610, 0.3712, 0.3943

Complementary

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



17.7610, 0.2433, 0.3098



10.2876, 0.4475, 0.3461

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.



17.7610, 0.3903, 0.3717



17.7610, 0.2433, 0.3098



17.7610, 0.3628, 0.3089

Square

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



17.7610, 0.2433, 0.3098



17.7610, 0.2853, 0.2673



17.7610, 0.3874, 0.3407



17.7610, 0.3368, 0.3997

Rectangle

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



17.7610, 0.2433, 0.3098



17.7610, 0.2484, 0.2689



17.7610, 0.3874, 0.3407



17.7610, 0.3797, 0.3883

Sweetspot

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



17.7617, 0.2433, 0.3098



39.0584, 0.2887, 0.3238



18.8939, 0.2986, 0.4718



8.9467, 0.2862, 0.3231



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.7617, 0.2433, 0.3098



30.0588, 0.2324, 0.3048



10.3582, 0.2278, 0.2302



5.1808, 0.2992, 0.3262



13.5451, 0.2138, 0.2896



0.0539, 0.2196, 0.3105

Inverse Universe

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



10.3240, 0.3330, 0.2205



15.6210, 0.3386, 0.2011



16.2031, 0.4108, 0.4094



4.7529, 0.3155, 0.3103



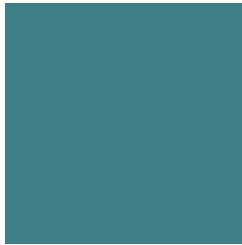
5.9543, 0.3547, 0.1727



0.0213, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 17.7610, 0.2433, 0.3098 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 17.7610, 0.2433, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

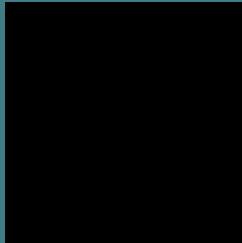
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7610, 0.2433, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 17.7610, 0.2433, 0.3098.



This preview shows how white text looks on a background with the Yxy color 17.7610, 0.2433, 0.3098.

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

17.7610, 0.2433, 0.3098

Protanopia

17.6941, 0.2976, 0.3059

Deuteranopia

17.6515, 0.2889, 0.2842



Tritanopia

17.7893, 0.2426, 0.3078

Trichromacy



Original Color

17.7610, 0.2433, 0.3098

Protanomaly

17.5584, 0.2732, 0.3068

Deuteranomaly

17.3597, 0.2691, 0.2914

Tritanomaly

17.7893, 0.2426, 0.3078

Monochromacy



Original Color

17.7610, 0.2433, 0.3098

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.8448, 0.2812, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7610, 0.2433, 0.3098 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(64, 126, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 126, 135) }
```

Border

The CSS property to change the border of an element to Yxy 17.7610, 0.2433, 0.3098 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, 135) }
```

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

```
.border{ border-color:rgb(64, 126, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 126, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 126, 135);  
box-shadow:4px 4px 4px 4px rgb(64, 126,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7610, 0.2433, 0.3098 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, 135) }
```

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

```
.background{ background-color: rgb(64, 126,  
135) }
```

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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