

Converting Colors

$Yxy(17.8036, 0.2639, 0.3391)$

Have a look what the booklet for
Yxy(17.8036, 0.2639, 0.3391)
contains.

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Color

Yxy(17.8387, 0.2645, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	4C7E79
RGB	76, 126, 121
RGB Percent	30%, 49%, 47%
CMY	0.7018, 0.5059, 0.5255
CMYK	0.40, 0.00, 0.04, 0.51
HSL	174°, 25%, 40%
HSV	174°, 40%, 49%
XYZ	13.8938, 17.8387, 20.7961
YIQ	110.4800, -28.1950, -12.1550

Conversions

Conversions Part 2

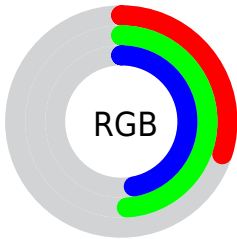
Format	Color
RYB	76, 102, 126
Decimal	5013113
CIELab	49.30, -18.08, -2.59
CIElCh	49, 18.261, 188.161
Yxy	17.8387, 0.2645, 0.3396
Android (android.graphics.Color)	4283203193 (0xFF4C7E79)
YUV	110.4800, 5.1864, -30.2390
Hunter-Lab	42.2359, -15.1939, 0.3720

Details

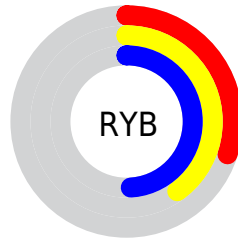
The Yxy color **17.8387, 0.2645, 0.3396** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2038, 0.3965, 0.3191**, and the grayscale version is **15.7312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7694, 0.2754, 0.3379**, and **5.9955, 0.2434, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **17.3418, 0.2552, 0.3427**, and if you desaturate by 10%, it is **18.4385, 0.2752, 0.3366**.

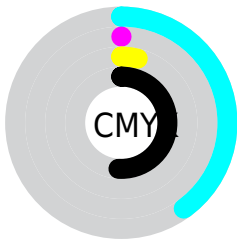
Distribution



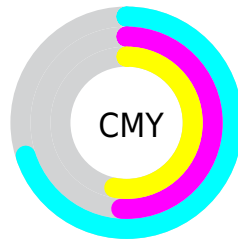
- Red (30%)
- Green (49%)
- Blue (47%)



- Red (30%)
- Yellow (40%)
- Blue (49%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)



- Cyan (70%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8387, 0.2645, 0.3396 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 17.8387, 0.2645, 0.3396 by changing the saturation by 10% instead.

■ 17.8387, 0.2645,
0.3396

■ 17.8387, 0.2645,
0.3396

■ 239.9603, 0.2922,
0.3337

■ 10.8342, 0.2560,
0.3413

■ 39.7623, 0.2756,
0.3373

■ 5.9555, 0.2440,
0.3435

■ 55.4502, 0.2795,
0.3365

■ 2.8180, 0.2255,
0.3467

■ 74.8014, 0.2826,
0.3359

■ 1.0375, 0.1841,
0.3555

■ 98.2003, 0.2852,
0.3353

■ 0.0000, 0.0000,
0.0000

■ 126.0312, 0.2873,
0.3348

158.6786, 0.2892,

0.3344

196.5268, 0.2908,
0.3341

■ 17.8387, 0.2645,
0.3396

■ 17.8387, 0.2645,
0.3396

■ 17.3418, 0.2552,
0.3427

■ 18.4385, 0.2752,
0.3366

■ 16.9398, 0.2474,
0.3459

■ 19.1445, 0.2871,
0.3339

■ 16.6269, 0.2413,
0.3492


■ 19.9626, 0.2998,
0.3313


■ 16.3956, 0.2371,
0.3525


■ 20.8974, 0.3132,
0.3289


■ 16.2374, 0.2346,
0.3558

■ 21.9534, 0.3269,
0.3268

 16.1256, 0.2332,
0.3591

 23.1349, 0.3409,
0.3249

 16.1218, 0.2331,
0.3593

 24.4458, 0.3548,
0.3232

 25.8901, 0.3685,
0.3217

 27.4713, 0.3818,
0.3204

Harmonies

Analogous

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



17.8387, 0.2930, 0.3714



17.8387, 0.2645, 0.3396



17.8387, 0.2490, 0.3065

Triad

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



17.8387, 0.2645, 0.3396



17.8387, 0.2946, 0.2755



17.8387, 0.3798, 0.3720

Complementary

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



17.8387, 0.2645, 0.3396



10.2038, 0.3965, 0.3191

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.



17.8387, 0.3809, 0.3452



17.8387, 0.2645, 0.3396



17.8387, 0.3302, 0.2915

Square

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



17.8387, 0.2645, 0.3396



17.8387, 0.2656, 0.2718



17.8387, 0.3624, 0.3164



17.8387, 0.3599, 0.3893

Rectangle

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



17.8387, 0.2645, 0.3396



17.8387, 0.2475, 0.2890



17.8387, 0.3624, 0.3164



17.8387, 0.3824, 0.3637

Sweetspot

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



17.8394, 0.2645, 0.3396



34.7418, 0.2964, 0.3319



17.2313, 0.3138, 0.4419



7.8690, 0.2951, 0.3322



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.



17.8394, 0.2645, 0.3396



30.5686, 0.2556, 0.3425



13.5274, 0.2538, 0.2864



4.8797, 0.3005, 0.3312



16.5395, 0.2331, 0.3593



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.2038, 0.3965, 0.3191



15.0686, 0.4280, 0.3170



13.1759, 0.3911, 0.3676



4.3507, 0.3264, 0.3269



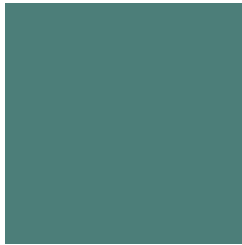
4.5790, 0.6238, 0.3210



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8387, 0.2645, 0.3396 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 17.8387, 0.2645, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

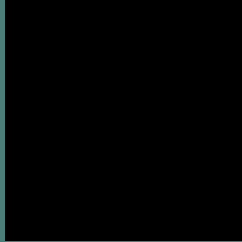
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8387, 0.2645, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 17.8387, 0.2645, 0.3396.



This preview shows how white text looks on a background with the Yxy color 17.8387, 0.2645, 0.3396.

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

17.8387, 0.2645, 0.3396

Protanopia

17.6505, 0.3178, 0.3310

Deuteranopia

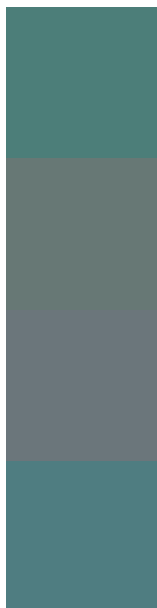
17.6255, 0.3150, 0.3084



Tritanopia

17.8420, 0.2560, 0.3083

Trichromacy



Original Color

17.8387, 0.2645, 0.3396

Protanomaly

17.6009, 0.2955, 0.3351

Deuteranomaly

17.5127, 0.2936, 0.3190

Tritanomaly

17.9145, 0.2598, 0.3205

Monochromacy



Original Color

17.8387, 0.2645, 0.3396

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3024, 0.2926, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8387, 0.2645, 0.3396 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(76, 126, 121)` looks like.

```
.text, #text, p{  
  color:rgb(76, 126, 121)  
}
```

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(76, 126, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 126, 121) }
```

Border

The CSS property to change the border of an element to Yxy 17.8387, 0.2645, 0.3396 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(76, 126, 121) }
```

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

```
.border{ border-color:rgb(76, 126, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 126, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 126, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 126, 121);  
box-shadow:4px 4px 4px 4px rgb(76, 126,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8387, 0.2645, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 126, 121) }
```

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

```
.background{ background-color: rgb(76, 126,  
121) }
```

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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