

Converting Colors

$Y_{xy}(16.7929, 0.2480, 0.3539)$

Have a look what the booklet for
Yxy(16.7929, 0.2480, 0.3539)
contains.

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Color

Yxy(16.7879, 0.2484, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	307E73
RGB	48, 126, 115
RGB Percent	19%, 49%, 45%
CMY	0.8118, 0.5059, 0.5491
CMYK	0.62, 0.00, 0.09, 0.51
HSL	172°, 45%, 34%
HSV	172°, 62%, 49%
XYZ	11.7733, 16.7879, 18.8354
YIQ	101.4240, -42.9570, -19.9570

Conversions

Conversions Part 2

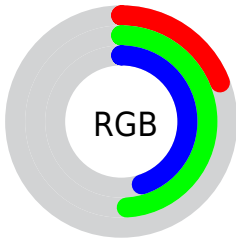
Format	Color
RYB	48, 90, 126
Decimal	3178099
CIELab	47.99, -26.58, -1.11
CIELCh	48, 26.606, 182.387
Yxy	16.7879, 0.2484, 0.3542
Android (android.graphics.Color)	4281368179 (0xFF307E73)
YUV	101.4240, 6.6930, -46.8528
Hunter-Lab	40.9730, -20.4120, 1.4253

Details

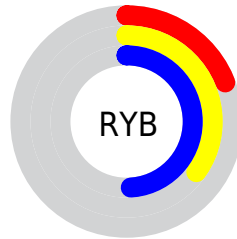
The Yxy color **16.7879, 0.2484, 0.3542** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.8652, 0.4701, 0.3088**, and the grayscale version is **13.1196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9138, 0.2633, 0.3479**, and **5.5741, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **16.4840, 0.2430, 0.3590**, and if you desaturate by 10%, it is **17.1810, 0.2555, 0.3496**.

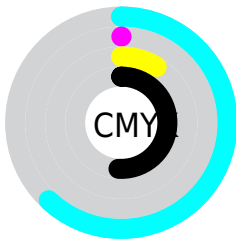
Distribution



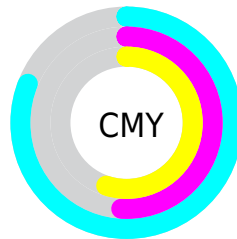
- Red (19%)
- Green (49%)
- Blue (45%)



- Red (19%)
- Yellow (35%)
- Blue (49%)



- Cyan (62%)
- Magenta (0%)
- Yellow (9%)
- Black (51%)



- Cyan (81%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7879, 0.2484, 0.3542 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 16.7879, 0.2484, 0.3542 by changing the saturation by 10% instead.

16.7879, 0.2484,
0.3542

16.7879, 0.2484,
0.3542

233.9471, 0.2857,
0.3398

10.0834, 0.2369,
0.3586

37.9607, 0.2634,
0.3484

5.4543, 0.2204,
0.3648

53.1979, 0.2686,
0.3464

2.5162, 0.1950,
0.3741

72.0480, 0.2728,
0.3448

0.8847, 0.0906,
0.4174

94.8954, 0.2763,
0.3434

0.0000, 0.0000,
0.0000

122.1247, 0.2792,
0.3423

154.1202, 0.2817,

0.3413

191.2662, 0.2838,
0.3405

■ 16.7879, 0.2484,
0.3542

■ 16.7879, 0.2484,
0.3542

■ 16.4840, 0.2430,
0.3590

■ 17.1810, 0.2555,
0.3496

■ 16.2597, 0.2394,
0.3638

■ 17.6679, 0.2642,
0.3451

■ 16.1067, 0.2376,
0.3685

■ 18.2555, 0.2742,
0.3408

■ 16.0100, 0.2368,
0.3724

■ 18.9493, 0.2854,
0.3368

■ 19.7544, 0.2975,
0.3330

■ 20.6756, 0.3102,
0.3296

■ 21.7174, 0.3233,
0.3265

■ 22.8842, 0.3366,
0.3237

■ 24.1800, 0.3499,
0.3212

Harmonies

Analogous

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



16.7879, 0.2920, 0.4016



16.7879, 0.2484, 0.3542



16.7879, 0.2229, 0.3026

Triad

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



16.7879, 0.2484, 0.3542



16.7879, 0.2761, 0.2497



16.7879, 0.4147, 0.3827

Complementary

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



16.7879, 0.2484, 0.3542



6.8652, 0.4701, 0.3088

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.



16.7879, 0.4115, 0.3423



16.7879, 0.2484, 0.3542



16.7879, 0.3275, 0.2694

Square

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



16.7879, 0.2484, 0.3542



16.7879, 0.2380, 0.2474



16.7879, 0.3786, 0.3022



16.7879, 0.3888, 0.4140

Rectangle

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



16.7879, 0.2484, 0.3542



16.7879, 0.2181, 0.2753



16.7879, 0.3786, 0.3022



16.7879, 0.4172, 0.3697

Sweetspot

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



16.7886, 0.2484, 0.3542



33.6835, 0.2883, 0.3358



16.0874, 0.3143, 0.5138



7.5894, 0.2855, 0.3367



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.



16.7886, 0.2484, 0.3542



28.8467, 0.2414, 0.3608



11.0017, 0.2254, 0.2633



4.8768, 0.3010, 0.3321



16.4230, 0.2368, 0.3725



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.8652, 0.4701, 0.3088



9.8152, 0.5277, 0.3085



9.7219, 0.4587, 0.3820



4.3534, 0.3258, 0.3260



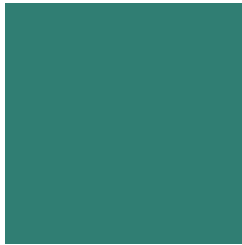
4.5942, 0.6155, 0.3164



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7879, 0.2484, 0.3542 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 16.7879, 0.2484, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

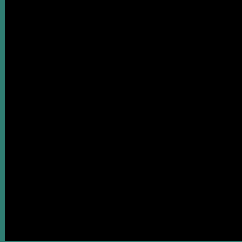
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7879, 0.2484, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 16.7879, 0.2484, 0.3542.

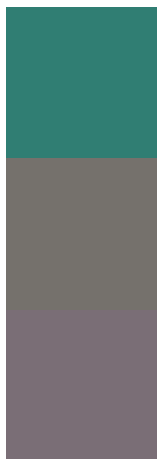


This preview shows how white text looks on a background with the Yxy color 16.7879, 0.2484, 0.3542.

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

16.7879, 0.2484, 0.3542

Protanopia

16.6749, 0.3242, 0.3390

Deuteranopia

16.5974, 0.3188, 0.3136



Tritanopia

16.7001, 0.2381, 0.3071

Trichromacy



Original Color

16.7879, 0.2484, 0.3542

Protanomaly

16.3799, 0.2890, 0.3440

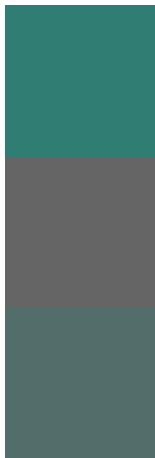
Deuteranomaly

16.2080, 0.2858, 0.3268

Tritanomaly

16.6785, 0.2420, 0.3243

Monochromacy



Original Color

16.7879, 0.2484, 0.3542

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9863, 0.2818, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7879, 0.2484, 0.3542 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(48, 126, 115)` looks like.

```
.text, #text, p{  
  color:rgb(48, 126, 115)  
}
```

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(48, 126, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 126, 115) }
```

Border

The CSS property to change the border of an element to Yxy 16.7879, 0.2484, 0.3542 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(48, 126, 115) }
```

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

```
.border{ border-color:rgb(48, 126, 115) }
```

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

Here you see how a box with a 4 pixel rgb(48, 126, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 126, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 126, 115);  
box-shadow:4px 4px 4px 4px rgb(48, 126,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7879, 0.2484, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 126, 115) }
```

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

```
.background{ background-color: rgb(48, 126,  
115) }
```

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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