

Converting Colors

$Yxy(16.2045, 0.2532, 0.3431)$

Have a look what the booklet for
Yxy(16.2045, 0.2532, 0.3431)
contains.

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Color

Yxy(16.1098, 0.2534, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	3B7A74
RGB	59, 122, 116
RGB Percent	23%, 48%, 45%
CMY	0.7684, 0.5216, 0.5451
CMYK	0.52, 0.00, 0.05, 0.52
HSL	174°, 35%, 36%
HSV	174°, 52%, 48%
XYZ	11.9189, 16.1098, 19.0072
YIQ	102.4790, -35.6220, -15.2220

Conversions

Conversions Part 2

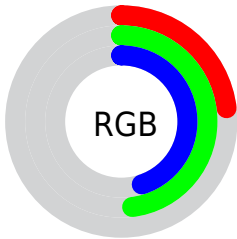
Format	Color
RYB	59, 92, 122
Decimal	3897972
CIELab	47.12, -21.79, -2.95
CIElCh	47, 21.994, 187.713
Yxy	16.1098, 0.2534, 0.3425
Android (android.graphics.Color)	4282088052 (0xFF3B7A74)
YUV	102.4790, 6.6659, -38.1311
Hunter-Lab	40.1370, -17.2333, 0.0186

Details

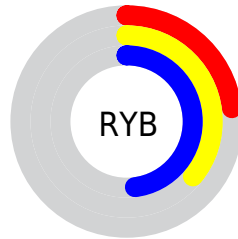
The Yxy color **16.1098, 0.2534, 0.3425** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.6543, 0.4371, 0.3172**, and the grayscale version is **13.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9318, 0.2676, 0.3399**, and **5.1824, 0.2300, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **15.7529, 0.2459, 0.3455**, and if you desaturate by 10%, it is **16.5554, 0.2625, 0.3396**.

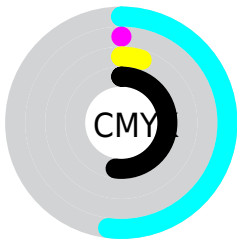
Distribution



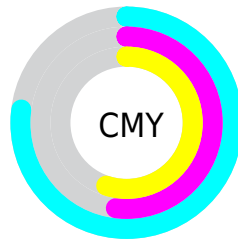
- Red (23%)
- Green (48%)
- Blue (45%)



- Red (23%)
- Yellow (36%)
- Blue (48%)



- Cyan (52%)
- Magenta (0%)
- Yellow (5%)
- Black (52%)



- Cyan (77%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1098, 0.2534, 0.3425 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 16.1098, 0.2534, 0.3425 by changing the saturation by 10% instead.

16.1098, 0.2534,
0.3425

16.1098, 0.2534,
0.3425

229.9888, 0.2879,
0.3350

9.6019, 0.2426,
0.3446

36.7887, 0.2674,
0.3396

5.1358, 0.2272,
0.3475

51.7285, 0.2721,
0.3385

2.3272, 0.2033,
0.3515

70.2477, 0.2760,
0.3377

0.7880, 0.1047,
0.3802

92.7307, 0.2792,
0.3370

0.0000, 0.0000,
0.0000

119.5619, 0.2819,
0.3364

151.1258, 0.2842,

0.3358

187.8066, 0.2862,
0.3354

■ 16.1098, 0.2534,
0.3425

■ 16.1098, 0.2534,
0.3425

■ 15.7529, 0.2459,
0.3455

■ 16.5554, 0.2625,
0.3396

■ 15.4768, 0.2402,
0.3487

■ 17.0935, 0.2730,
0.3367

■ 15.2750, 0.2362,
0.3518

■ 17.7298, 0.2847,
0.3341

■ 15.1395, 0.2339,
0.3549

■ 18.4690, 0.2973,
0.3316

■ 15.0517, 0.2327,
0.3575

■ 19.3155, 0.3106,
0.3293

■ 20.2735, 0.3243,
0.3273

■ 21.3470, 0.3382,
0.3254

■ 22.5397, 0.3522,
0.3238

■ 23.8551, 0.3660,
0.3223

Harmonies

Analogous

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



16.1098, 0.2884, 0.3832



16.1098, 0.2534, 0.3425



16.1098, 0.2345, 0.3008

Triad

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



16.1098, 0.2534, 0.3425



16.1098, 0.2893, 0.2633



16.1098, 0.3963, 0.3809

Complementary

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



16.1098, 0.2534, 0.3425



7.6543, 0.4371, 0.3172

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.



16.1098, 0.3978, 0.3475



16.1098, 0.2534, 0.3425



16.1098, 0.3335, 0.2826

Square

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



16.1098, 0.2534, 0.3425



16.1098, 0.2540, 0.2588



16.1098, 0.3742, 0.3125



16.1098, 0.3714, 0.4038

Rectangle

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



16.1098, 0.2534, 0.3425



16.1098, 0.2325, 0.2793



16.1098, 0.3742, 0.3125



16.1098, 0.3997, 0.3704

Sweetspot

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



16.1104, 0.2534, 0.3425



31.9829, 0.2924, 0.3325



15.3700, 0.3119, 0.4816



7.2626, 0.2903, 0.3329



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.1104, 0.2534, 0.3425



27.6139, 0.2447, 0.3461



10.8536, 0.2369, 0.2684



4.5062, 0.3006, 0.3310



15.8484, 0.2327, 0.3576



75.5302, 0.2331, 0.3592

Inverse Universe

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



7.6543, 0.4371, 0.3172



10.9538, 0.4849, 0.3156



10.8313, 0.4221, 0.3808



4.0207, 0.3263, 0.3270



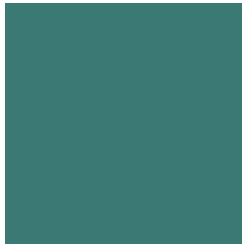
4.3825, 0.6244, 0.3213



20.8455, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 16.1098, 0.2534, 0.3425 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 16.1098, 0.2534, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

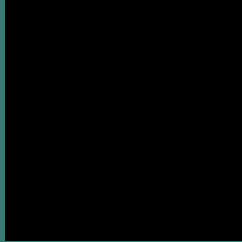
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.1098, 0.2534, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 16.1098, 0.2534, 0.3425.



This preview shows how white text looks on a background with the Yxy color 16.1098, 0.2534, 0.3425.

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

16.1098, 0.2534, 0.3425

Protanopia

15.9837, 0.3179, 0.3331

Deuteranopia

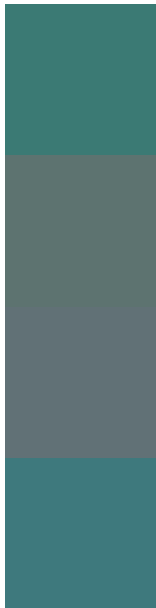
15.9086, 0.3124, 0.3075



Tritanopia

16.1346, 0.2447, 0.3070

Trichromacy



Original Color

16.1098, 0.2534, 0.3425

Protanomaly

15.7585, 0.2888, 0.3354

Deuteranomaly

15.6596, 0.2868, 0.3184

Tritanomaly

16.1795, 0.2477, 0.3199

Monochromacy



Original Color

16.1098, 0.2534, 0.3425

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.9772, 0.2853, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1098, 0.2534, 0.3425 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(59, 122, 116)` looks like.

```
.text, #text, p{  
  color:rgb(59, 122, 116)  
}
```

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(59, 122, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 122, 116) }
```

Border

The CSS property to change the border of an element to Yxy 16.1098, 0.2534, 0.3425 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(59, 122, 116) }
```

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

```
.border{ border-color:rgb(59, 122, 116) }
```

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

Here you see how a box with a 4 pixel rgb(59, 122, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 122, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 122, 116);  
box-shadow:4px 4px 4px 4px rgb(59, 122,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1098, 0.2534, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 122, 116) }
```

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

```
.background{ background-color: rgb(59, 122,  
116) }
```

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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