

Converting Colors

$Y_{xy}(16.6772, 0.2584, 0.3520)$

Have a look what the booklet for
Yxy(16.6772, 0.2584, 0.3520)
contains.

Yxy(16.6543, 0.2582, 0.3515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.6543, 0.2582, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	3E7C72
RGB	62, 124, 114
RGB Percent	24%, 49%, 45%
CMY	0.7567, 0.5137, 0.5529
CMYK	0.50, 0.00, 0.08, 0.51
HSL	170°, 33%, 36%
HSV	170°, 50%, 49%
XYZ	12.2337, 16.6543, 18.4927
YIQ	104.3220, -33.7420, -16.2540

Conversions

Conversions Part 2

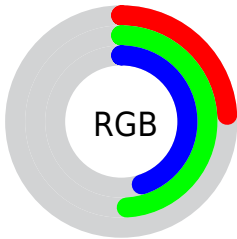
Format	Color
R_{YB}	62, 96, 124
Decimal	4095090
CIE _{Lab}	47.82, -22.64, -0.72
CIE _{LCh}	48, 22.653, 181.825
Yxy	16.6543, 0.2582, 0.3515
Android (android.graphics.Color)	4282285170 (0xFF3E7C72)
YUV	104.3220, 4.7713, -37.1164
Hunter-Lab	40.8097, -17.9073, 1.6999

Details

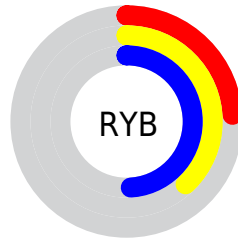
The Yxy color **16.6543, 0.2582, 0.3515** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.2024, 0.4223, 0.3091**, and the grayscale version is **13.9308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7749, 0.2707, 0.3461**, and **5.4320, 0.2347, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **16.2535, 0.2509, 0.3568**, and if you desaturate by 10%, it is **17.1489, 0.2670, 0.3464**.

Distribution



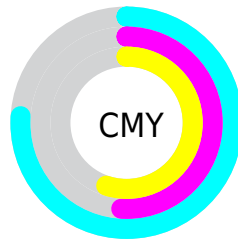
- Red (24%)
- Green (49%)
- Blue (45%)



- Red (24%)
- Yellow (38%)
- Blue (49%)



- Cyan (50%)
- Magenta (0%)
- Yellow (8%)
- Black (51%)





- Cyan (76%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6543, 0.2582, 0.3515 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 16.6543, 0.2582, 0.3515 by changing the saturation by 10% instead.


 16.6543, 0.2582,
0.3515

 16.6543, 0.2582,
0.3515


233.1723, 0.2899,
0.3385


 9.9883, 0.2483,
0.3555


 37.7304, 0.2710,
0.3463


 5.3912, 0.2341,
0.3612

 52.9094, 0.2754,
0.3445

 2.4786, 0.2120,
0.3700

 71.6948, 0.2790,
0.3430

 0.8659, 0.1269,
0.4066

 94.4710, 0.2819,
0.3418

 0.0000, 0.0000,
0.0000

 121.6225, 0.2844,
0.3408

153.5336, 0.2865,

0.3399

190.5887, 0.2883,
0.3392

■ 16.6543, 0.2582,
0.3515

■ 16.6543, 0.2582,
0.3515

■ 16.2535, 0.2509,
0.3568

■ 17.1489, 0.2670,
0.3464

■ 15.9383, 0.2453,
0.3623

■ 17.7410, 0.2771,
0.3416

■ 15.7021, 0.2415,
0.3678


■ 18.4367, 0.2883,
0.3370


■ 15.5368, 0.2395,
0.3733

■ 19.2406, 0.3002,
0.3328

■ 15.4146, 0.2386,
0.3788

■ 20.1575, 0.3128,
0.3290

 15.4142, 0.2386,
0.3789

 21.1916, 0.3256,
0.3255

 22.3470, 0.3386,
0.3224

 23.6276, 0.3515,
0.3196

 25.0371, 0.3642,
0.3172

Harmonies

Analogous

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



16.6543, 0.2962, 0.3907



16.6543, 0.2582, 0.3515



16.6543, 0.2354, 0.3079

Triad

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



16.6543, 0.2582, 0.3515



16.6543, 0.2808, 0.2600



16.6543, 0.4002, 0.3755

Complementary

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



16.6543, 0.2582, 0.3515



8.2024, 0.4223, 0.3091

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.



16.6543, 0.3966, 0.3406



16.6543, 0.2582, 0.3515



16.6543, 0.3248, 0.2769

Square

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



16.6543, 0.2582, 0.3515



16.6543, 0.2477, 0.2586



16.6543, 0.3682, 0.3056



16.6543, 0.3789, 0.4018

Rectangle

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



16.6543, 0.2582, 0.3515



16.6543, 0.2308, 0.2841



16.6543, 0.3682, 0.3056



16.6543, 0.4020, 0.3644

Sweetspot

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



16.6550, 0.2582, 0.3515



33.0746, 0.2937, 0.3350



16.1544, 0.3166, 0.4745



7.7325, 0.2916, 0.3358



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.



16.6550, 0.2582, 0.3515



28.5142, 0.2500, 0.3576



12.2496, 0.2409, 0.2807



4.5019, 0.3014, 0.3325



15.6707, 0.2386, 0.3789



74.6455, 0.2394, 0.3818

Inverse Universe

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



8.2024, 0.4223, 0.3091



11.8131, 0.4640, 0.3059



10.7724, 0.4222, 0.3712



4.0246, 0.3254, 0.3256



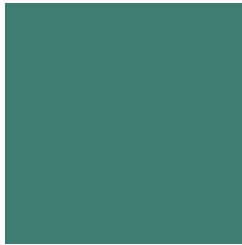
4.4072, 0.6104, 0.3136



20.9375, 0.6204, 0.3191

Previews

White Background



This preview shows how the Yxy color 16.6543, 0.2582, 0.3515 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 16.6543, 0.2582, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

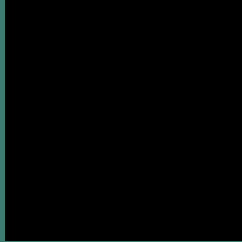
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6543, 0.2582, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 16.6543, 0.2582, 0.3515.



This preview shows how white text looks on a background with the Yxy color 16.6543, 0.2582, 0.3515.

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

16.6543, 0.2582, 0.3515

Protanopia

16.3841, 0.3231, 0.3371

Deuteranopia

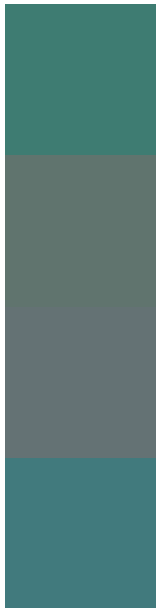
16.3592, 0.3202, 0.3136



Tritanopia

16.5067, 0.2466, 0.3073

Trichromacy



Original Color

16.6543, 0.2582, 0.3515

Protanomaly

16.1034, 0.2947, 0.3418

Deuteranomaly

16.0049, 0.2927, 0.3248

Tritanomaly

16.5236, 0.2504, 0.3222

Monochromacy



Original Color

16.6543, 0.2582, 0.3515

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5754, 0.2881, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6543, 0.2582, 0.3515 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(62, 124, 114)` looks like.

```
.text, #text, p{  
    color:rgb(62, 124, 114)  
}
```

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(62, 124, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 124, 114) }
```

Border

The CSS property to change the border of an element to Yxy 16.6543, 0.2582, 0.3515 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(62, 124, 114) }
```

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

```
.border{ border-color:rgb(62, 124, 114) }
```

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

Here you see how a box with a 4 pixel rgb(62, 124, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 124, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 124, 114);  
box-shadow:4px 4px 4px 4px rgb(62, 124,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6543, 0.2582, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 124, 114) }
```

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

```
.background{ background-color: rgb(62, 124,  
114) }
```

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