

Converting Colors

$Y_{xy}(16.4908, 0.2501, 0.3571)$

Have a look what the booklet for
Yxy(16.4908, 0.2501, 0.3571)
contains.

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Color

Yxy(16.5125, 0.2502, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	317D71
RGB	49, 125, 113
RGB Percent	19%, 49%, 44%
CMY	0.8076, 0.5098, 0.5569
CMYK	0.61, 0.00, 0.10, 0.51
HSL	171°, 44%, 34%
HSV	171°, 61%, 49%
XYZ	11.5824, 16.5125, 18.1975
YIQ	100.9080, -41.4440, -19.8440

Conversions

Conversions Part 2

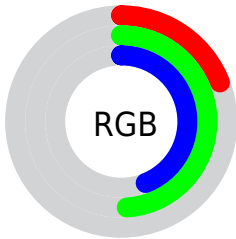
Format	Color
RYB	49, 90, 125
Decimal	3243377
CIELab	47.64, -26.42, -0.44
CIELCh	48, 26.425, 180.959
Yxy	16.5125, 0.2502, 0.3567
Android (android.graphics.Color)	4281433457 (0xFF317D71)
YUV	100.9080, 5.9614, -45.5233
Hunter-Lab	40.6356, -20.2344, 1.8935

Details

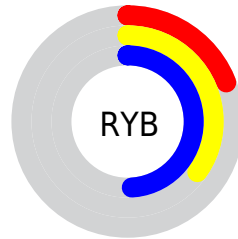
The Yxy color **16.5125, 0.2502, 0.3567** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.8984, 0.4622, 0.3065**, and the grayscale version is **12.9849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5005, 0.2650, 0.3496**, and **5.4138, 0.2353, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **16.1999, 0.2447, 0.3621**, and if you desaturate by 10%, it is **16.9136, 0.2574, 0.3515**.

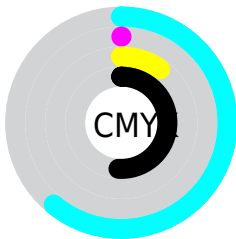
Distribution



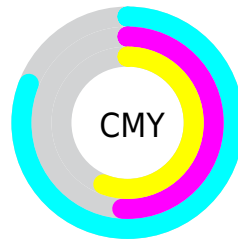
- Red (19%)
- Green (49%)
- Blue (44%)



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



- Cyan (61%)
- Magenta (0%)
- Yellow (10%)
- Black (51%)





- Cyan (81%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5125, 0.2502, 0.3567 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 16.5125, 0.2502, 0.3567 by changing the saturation by 10% instead.


 16.5125, 0.2502,
0.3567

 16.5125, 0.2502,
0.3567


 232.3472, 0.2866,
0.3407


 9.8875, 0.2389,
0.3617


 37.4857, 0.2649,
0.3502


 5.3245, 0.2226,
0.3688

 52.6027, 0.2700,
0.3480


 2.4389, 0.1974,
0.3797

 71.3191, 0.2740,
0.3462

 0.8458, 0.0812,
0.4323

 94.0194, 0.2774,
0.3447

 0.0000, 0.0000,
0.0000

 121.0880, 0.2803,
0.3435

 152.9092, 0.2827,

0.3424

189.8675, 0.2847,
0.3415

■ 16.5125, 0.2502,
0.3567

■ 16.5125, 0.2502,
0.3567

■ 16.1999, 0.2447,
0.3621

■ 16.9136, 0.2574,
0.3515

■ 15.9666, 0.2411,
0.3675

■ 17.4077, 0.2661,
0.3465

■ 15.8047, 0.2391,
0.3729

■ 18.0015, 0.2761,
0.3417

■ 15.6916, 0.2383,
0.3779

■ 18.7003, 0.2872,
0.3372

■ 19.5090, 0.2992,
0.3331

■ 20.4325, 0.3117,
0.3293

■ 21.4750, 0.3246,
0.3258

■ 22.6408, 0.3377,
0.3228

■ 23.9338, 0.3506,
0.3200

Harmonies

Analogous

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



16.5125, 0.2944, 0.4033



16.5125, 0.2502, 0.3567



16.5125, 0.2238, 0.3049

Triad

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



16.5125, 0.2502, 0.3567



16.5125, 0.2740, 0.2493



16.5125, 0.4152, 0.3808

Complementary

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



16.5125, 0.2502, 0.3567



6.8984, 0.4622, 0.3065

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.



16.5125, 0.4105, 0.3403



16.5125, 0.2502, 0.3567



16.5125, 0.3249, 0.2682

Square

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



16.5125, 0.2502, 0.3567



16.5125, 0.2367, 0.2478



16.5125, 0.3763, 0.3005



16.5125, 0.3905, 0.4128

Rectangle

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



16.5125, 0.2502, 0.3567



16.5125, 0.2183, 0.2771



16.5125, 0.3763, 0.3005



16.5125, 0.4171, 0.3678

Sweetspot

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



16.5131, 0.2502, 0.3567



33.8072, 0.2900, 0.3362



15.9037, 0.3157, 0.5094



7.6137, 0.2871, 0.3373



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.



16.5131, 0.2502, 0.3567



28.8273, 0.2430, 0.3642



11.1885, 0.2275, 0.2680



4.8756, 0.3012, 0.3324



16.3771, 0.2383, 0.3780



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.8984, 0.4622, 0.3065



9.9715, 0.5192, 0.3056



9.5288, 0.4565, 0.3787



4.3545, 0.3255, 0.3256



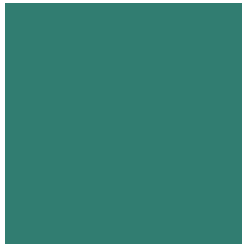
4.6016, 0.6116, 0.3143



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.5125, 0.2502, 0.3567 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 16.5125, 0.2502, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

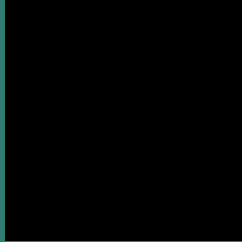
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5125, 0.2502, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 16.5125, 0.2502, 0.3567.

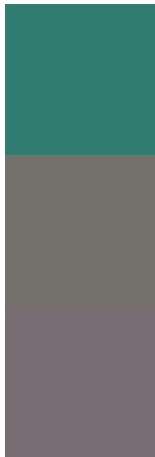


This preview shows how white text looks on a background with the Yxy color 16.5125, 0.2502, 0.3567.

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

16.5125, 0.2502, 0.3567

Protanopia

16.3420, 0.3256, 0.3411

Deuteranopia

16.2632, 0.3201, 0.3154



Tritanopia

16.4549, 0.2390, 0.3070

Trichromacy



Original Color

16.5125, 0.2502, 0.3567

Protanomaly

16.1020, 0.2911, 0.3463

Deuteranomaly

15.9322, 0.2879, 0.3289

Tritanomaly

16.4309, 0.2429, 0.3243

Monochromacy



Original Color

16.5125, 0.2502, 0.3567

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9656, 0.2829, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5125, 0.2502, 0.3567 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(49, 125, 113)` looks like.

```
.text, #text, p{  
    color:rgb(49, 125, 113)  
}
```

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(49, 125, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 125, 113) }
```

Border

The CSS property to change the border of an element to Yxy 16.5125, 0.2502, 0.3567 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(49, 125, 113) }
```

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

```
.border{ border-color:rgb(49, 125, 113) }
```

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

Here you see how a box with a 4 pixel rgb(49, 125, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 125, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 125, 113);  
box-shadow:4px 4px 4px 4px rgb(49, 125,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5125, 0.2502, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 125, 113) }
```

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

```
.background{ background-color: rgb(49, 125,  
113) }
```

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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