

Converting Colors

$Y_{xy}(16.3012, 0.2675, 0.3289)$

Have a look what the booklet for
Yxy(16.3012, 0.2675, 0.3289)
contains.

Yxy(16.2310, 0.2682, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2310, 0.2682, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	507777
RGB	80, 119, 119
RGB Percent	31%, 47%, 47%
CMY	0.6862, 0.5333, 0.5334
CMYK	0.33, 0.00, 0.00, 0.53
HSL	180°, 20%, 39%
HSV	180°, 33%, 47%
XYZ	13.2355, 16.2310, 19.8829
YIQ	107.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

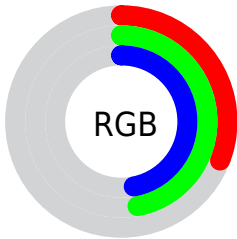
Format	Color
R _Y B	80, 100, 119
Decimal	5273463
CIE Lab	47.28, -13.58, -4.37
CIE LCh	47, 14.266, 197.839
Yxy	16.2310, 0.2682, 0.3289
Android (android.graphics.Color)	4283463543 (0xFF507777)
YUV	107.3390, 5.7489, -23.9763
Hunter-Lab	40.2877, -11.8619, -1.0595

Details

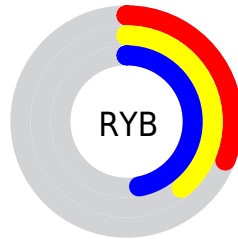
The Yxy color **16.2310, 0.2682, 0.3289** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2426, 0.3833, 0.3292**, and the grayscale version is **14.7920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8914, 0.2788, 0.3289**, and **5.1423, 0.2481, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **15.7584, 0.2571, 0.3289**, and if you desaturate by 10%, it is **16.7966, 0.2807, 0.3289**.

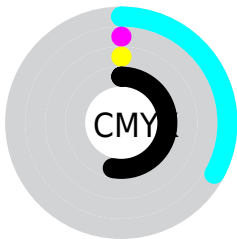
Distribution



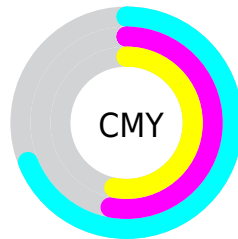
- Red (31%)
- Green (47%)
- Blue (47%)



- Red (31%)
- Yellow (39%)
- Blue (47%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)





- Cyan (69%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2310, 0.2682, 0.3289 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 16.2310, 0.2682, 0.3289 by changing the saturation by 10% instead.


 16.2310, 0.2682,
0.3289


 16.2310, 0.2682,
0.3289


230.7010, 0.2941,
0.3293


 9.6878, 0.2601,
0.3286

 36.9988, 0.2787,
0.3292


 5.1924, 0.2485,
0.3280

 51.9921, 0.2823,
0.3292


 2.3606, 0.2303,
0.3265

 70.5709, 0.2852,
0.3293

 0.8055, 0.1780,
0.3303

 93.1196, 0.2876,
0.3293

 0.0000, 0.0000,
0.0000

 120.0225, 0.2896,
0.3293

151.6641, 0.2913,

0.3293

188.4288, 0.2928,
0.3293

■ 16.2310, 0.2682,
0.3289

■ 16.2310, 0.2682,
0.3289

■ 15.7584, 0.2571,
0.3289

■ 16.7966, 0.2807,
0.3289

■ 15.3721, 0.2475,
0.3289

■ 17.4579, 0.2942,
0.3290

■ 15.0675, 0.2396,
0.3289

■ 18.2196, 0.3086,
0.3290

■ 14.8386, 0.2334,
0.3288

■ 19.0857, 0.3236,
0.3290

■ 14.6788, 0.2290,
0.3288

■ 20.0599, 0.3389,
0.3291

■ 14.5801, 0.2263,
0.3289

■ 21.1458, 0.3544,
0.3291

■ 14.5243, 0.2247,
0.3289

■ 22.3467, 0.3697,
0.3291

■ 23.6660, 0.3847,
0.3292

■ 25.1066, 0.3993,
0.3292

Harmonies

Analogous

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



16.2310, 0.2886, 0.3555



16.2310, 0.2682, 0.3289



16.2310, 0.2594, 0.3039

Triad

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



16.2310, 0.2682, 0.3289



16.2310, 0.3073, 0.2884



16.2310, 0.3632, 0.3697

Complementary

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



16.2310, 0.2682, 0.3289



10.2426, 0.3833, 0.3292

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.



16.2310, 0.3691, 0.3501



16.2310, 0.2682, 0.3289



16.2310, 0.3360, 0.3044

Square

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



16.2310, 0.2682, 0.3289



16.2310, 0.2812, 0.2821



16.2310, 0.3590, 0.3265



16.2310, 0.3435, 0.3793

Rectangle

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



16.2310, 0.2682, 0.3289



16.2310, 0.2611, 0.2916



16.2310, 0.3590, 0.3265



16.2310, 0.3669, 0.3640

Sweetspot

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



16.2316, 0.2682, 0.3289



31.5861, 0.2978, 0.3290



15.5081, 0.3092, 0.4202



7.4503, 0.2961, 0.3290



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.



16.2316, 0.2682, 0.3289



28.4372, 0.2600, 0.3289



12.1839, 0.2631, 0.2859



4.1553, 0.2995, 0.3290



15.4314, 0.2247, 0.3289



75.1988, 0.2247, 0.3289

Inverse Universe

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



10.2426, 0.3833, 0.3292



16.0115, 0.4065, 0.3292



13.3991, 0.3713, 0.3684



3.7009, 0.3275, 0.3290



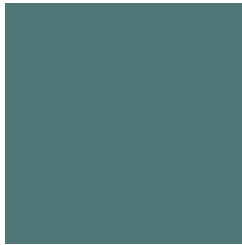
4.1669, 0.6400, 0.3299



20.3057, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 16.2310, 0.2682, 0.3289 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 16.2310, 0.2682, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

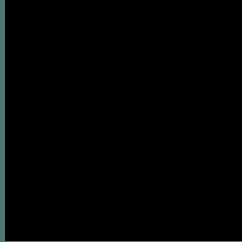
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

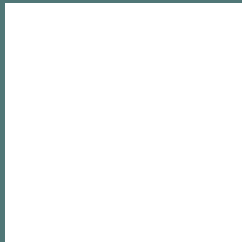
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2310, 0.2682, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 16.2310, 0.2682, 0.3289.



This preview shows how white text looks on a background with the Yxy color 16.2310, 0.2682, 0.3289.

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

16.2310, 0.2682, 0.3289

Protanopia

16.0945, 0.3117, 0.3230

Deuteranopia

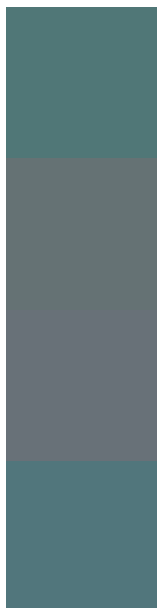
16.1693, 0.3098, 0.3056



Tritanopia

16.2830, 0.2623, 0.3098

Trichromacy



Original Color

16.2310, 0.2682, 0.3289

Protanomaly

16.0623, 0.2939, 0.3248

Deuteranomaly

16.1094, 0.2930, 0.3146

Tritanomaly

16.1614, 0.2641, 0.3160

Monochromacy



Original Color

16.2310, 0.2682, 0.3289

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0580, 0.2946, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2310, 0.2682, 0.3289 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(80, 119, 119) looks like.

```
.text, #text, p{  
  color:rgb(80, 119, 119)  
}
```

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(80, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 119, 119) }
```

Border

The CSS property to change the border of an element to Yxy 16.2310, 0.2682, 0.3289 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(80, 119, 119) }
```

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

```
.border{ border-color:rgb(80, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(80, 119,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2310, 0.2682, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 119, 119) }
```

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

```
.background{ background-color: rgb(80, 119,  
119) }
```

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