

Converting Colors

$Y_{xy}(16.5371, 0.2597, 0.3358)$

Have a look what the booklet for
Yxy(16.5371, 0.2597, 0.3358)
contains.

Yxy(16.5531, 0.2597, 0.3355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5531, 0.2597, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	467A77
RGB	70, 122, 119
RGB Percent	27%, 48%, 47%
CMY	0.7256, 0.5215, 0.5333
CMYK	0.43, 0.00, 0.02, 0.52
HSL	177°, 27%, 38%
HSV	177°, 43%, 48%
XYZ	12.8132, 16.5531, 19.9723
YIQ	106.1100, -30.0290, -11.9570

Conversions

Conversions Part 2

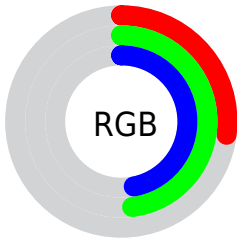
Format	Color
RYB	70, 97, 122
Decimal	4618871
CIELab	47.69, -18.16, -3.82
CIElCh	48, 18.557, 191.890
Yxy	16.5531, 0.2597, 0.3355
Android (android.graphics.Color)	4282808951 (0xFF467A77)
YUV	106.1100, 6.3548, -31.6685
Hunter-Lab	40.6855, -14.9840, -0.6252

Details

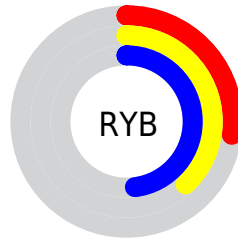
The Yxy color **16.5531, 0.2597, 0.3355** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9951, 0.4100, 0.3230**, and the grayscale version is **14.4315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7378, 0.2726, 0.3350**, and **5.3392, 0.2361, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **16.1286, 0.2505, 0.3373**, and if you desaturate by 10%, it is **17.0713, 0.2704, 0.3338**.

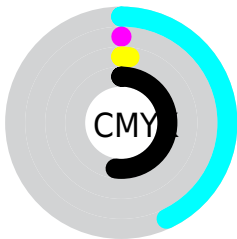
Distribution



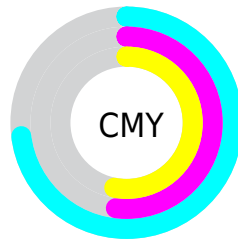
- Red (27%)
- Green (48%)
- Blue (47%)



- Red (27%)
- Yellow (38%)
- Blue (48%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (52%)





- Cyan (73%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5531, 0.2597, 0.3355 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 16.5531, 0.2597, 0.3355 by changing the saturation by 10% instead.


 16.5531, 0.2597,
0.3355


 16.5531, 0.2597,
0.3355


232.5837, 0.2904,
0.3321


 9.9164, 0.2502,
0.3363


 37.5558, 0.2721,
0.3343

 5.3435, 0.2365,
0.3373

 52.6905, 0.2764,
0.3338

 2.4502, 0.2155,
0.3384

 71.4268, 0.2798,
0.3334

 0.8515, 0.1506,
0.3503

 94.1488, 0.2827,
0.3331

 0.0000, 0.0000,
0.0000

 121.2412, 0.2851,
0.3328

153.0882, 0.2871,

0.3325

190.0742, 0.2889,
0.3323

■ 16.5531, 0.2597,
0.3355

■ 16.5531, 0.2597,
0.3355

■ 16.1286, 0.2505,
0.3373

■ 17.0713, 0.2704,
0.3338

■ 15.7900, 0.2429,
0.3391

■ 17.6863, 0.2823,
0.3322

■ 15.5320, 0.2371,
0.3409

■ 18.4035, 0.2953,
0.3307

■ 15.3473, 0.2331,
0.3428

■ 19.2274, 0.3090,
0.3293

■ 15.2276, 0.2307,
0.3446

■ 20.1622, 0.3232,
0.3281

■ 15.1578, 0.2294,
0.3460

■ 21.2118, 0.3377,
0.3270

■ 22.3801, 0.3522,
0.3260

■ 23.6706, 0.3667,
0.3251

■ 25.0868, 0.3808,
0.3243

Harmonies

Analogous

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



16.5531, 0.2879, 0.3697



16.5531, 0.2597, 0.3355



16.5531, 0.2456, 0.3017

Triad

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



16.5531, 0.2597, 0.3355



16.5531, 0.2982, 0.2748



16.5531, 0.3810, 0.3766

Complementary

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



16.5531, 0.2597, 0.3355



8.9951, 0.4100, 0.3230

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.



16.5531, 0.3849, 0.3495



16.5531, 0.2597, 0.3355



16.5531, 0.3355, 0.2928

Square

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



16.5531, 0.2597, 0.3355



16.5531, 0.2668, 0.2693



16.5531, 0.3679, 0.3194



16.5531, 0.3582, 0.3930

Rectangle

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



16.5531, 0.2597, 0.3355



16.5531, 0.2454, 0.2845



16.5531, 0.3679, 0.3194



16.5531, 0.3846, 0.3683

Sweetspot

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



16.5538, 0.2597, 0.3355



32.2839, 0.2944, 0.3308



15.7963, 0.3107, 0.4525



7.3261, 0.2919, 0.3311



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.



16.5538, 0.2597, 0.3355



28.3997, 0.2509, 0.3372



11.7168, 0.2488, 0.2765



4.5086, 0.3001, 0.3302



15.9561, 0.2295, 0.3460



76.0686, 0.2297, 0.3470

Inverse Universe

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



8.9951, 0.4100, 0.3230



13.2640, 0.4450, 0.3219



12.3243, 0.3963, 0.3756



4.0185, 0.3269, 0.3278



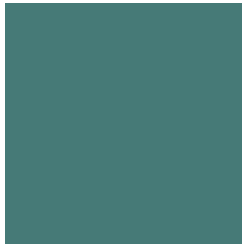
4.3720, 0.6305, 0.3247



20.8129, 0.6358, 0.3276

Previews

White Background



This preview shows how the Yxy color 16.5531, 0.2597, 0.3355 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 16.5531, 0.2597, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

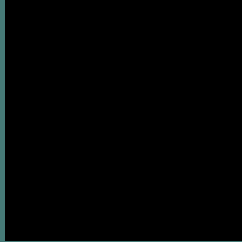
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5531, 0.2597, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 16.5531, 0.2597, 0.3355.



This preview shows how white text looks on a background with the Yxy color 16.5531, 0.2597, 0.3355.

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

16.5531, 0.2597, 0.3355

Protanopia

16.3580, 0.3141, 0.3270

Deuteranopia

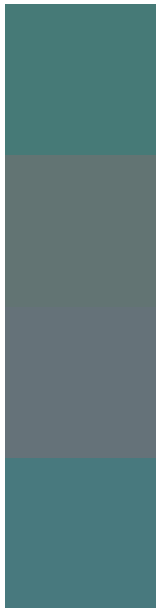
16.2644, 0.3099, 0.3038



Tritanopia

16.4611, 0.2520, 0.3075

Trichromacy



Original Color

16.5531, 0.2597, 0.3355

Protanomaly

16.3253, 0.2915, 0.3310

Deuteranomaly

16.1818, 0.2884, 0.3145

Tritanomaly

16.5588, 0.2550, 0.3180

Monochromacy



Original Color

16.5531, 0.2597, 0.3355

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0632, 0.2897, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5531, 0.2597, 0.3355 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(70, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(70, 122, 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(70, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 122, 119) }
```

Border

The CSS property to change the border of an element to Yxy 16.5531, 0.2597, 0.3355 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(70, 122, 119) }
```

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

```
.border{ border-color:rgb(70, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(70, 122,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5531, 0.2597, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 122, 119) }
```

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

```
.background{ background-color: rgb(70, 122,  
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](#).

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