

Converting Colors

$Y_{xy}(12.5140, 0.2335, 0.3440)$

Have a look what the booklet for
Yxy(12.5140, 0.2335, 0.3440)
contains.

Yxy(12.5174, 0.2335, 0.3445)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5174, 0.2335, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	126F69
RGB	18, 111, 105
RGB Percent	7%, 44%, 41%
CMY	0.9292, 0.5647, 0.5882
CMYK	0.84, 0.00, 0.05, 0.56
HSL	176°, 72%, 25%
HSV	176°, 84%, 44%
XYZ	8.4842, 12.5174, 15.3334
YIQ	82.5090, -53.5020, -21.5820

Conversions

Conversions Part 2

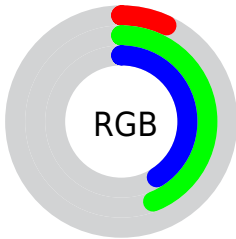
Format	Color
R_{YB}	18, 66, 111
Decimal	1208169
CIE _{Lab}	42.03, -26.66, -4.01
CIE _{LCh}	42, 26.958, 188.548
Yxy	12.5174, 0.2335, 0.3445
Android (android.graphics.Color)	4279398249 (0xFF126F69)
YUV	82.5090, 11.0881, -56.5744
Hunter-Lab	35.3799, -19.1100, -0.9298

Details

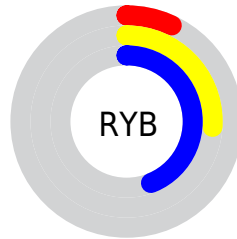
The Yxy color **12.5174, 0.2335, 0.3445** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8798, 0.5749, 0.3215**, and the grayscale version is **8.5337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3885, 0.2534, 0.3411**, and **3.8605, 0.2307, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **12.4190, 0.2312, 0.3465**, and if you desaturate by 10%, it is **12.6670, 0.2374, 0.3424**.

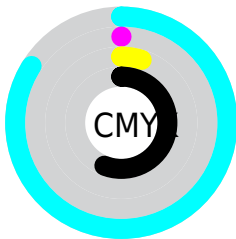
Distribution



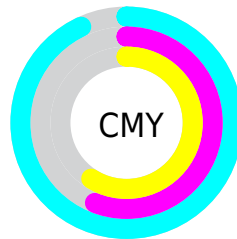
- Red (7%)
- Green (44%)
- Blue (41%)



- Red (7%)
- Yellow (26%)
- Blue (44%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (56%)





- Cyan (93%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5174, 0.2335, 0.3445 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 12.5174, 0.2335, 0.3445 by changing the saturation by 10% instead.


 12.5174, 0.2335,
0.3445


 12.5174, 0.2335,
0.3445


 207.8012, 0.2809,
0.3359


 7.0971, 0.2180,
0.3468


 30.4340, 0.2531,
0.3412

 3.5229, 0.1952,
0.3498

 43.6991, 0.2597,
0.3400


 1.4104, 0.1546,
0.3548

 60.3479, 0.2650,
0.3390

 0.2244, 0.0000,
0.2996

 80.7647, 0.2693,
0.3382

 0.0000, 0.0000,
0.0000

 105.3341, 0.2729,
0.3375

 134.4404, 0.2760,

0.3369

168.4679, 0.2786,
0.3363

■ 12.5174, 0.2335,
0.3445

■ 12.5174, 0.2335,
0.3445

■ 12.4190, 0.2312,
0.3465

■ 12.6670, 0.2374,
0.3424

■ 12.3650, 0.2300,
0.3478

■ 12.8746, 0.2431,
0.3404

■ 13.1464, 0.2504,
0.3384

■ 13.4874, 0.2594,
0.3364

■ 13.9020, 0.2698,
0.3345

■ 14.3943, 0.2815,
0.3327

■ 14.9681, 0.2941,
0.3311

■ 15.6270, 0.3075,
0.3295

■ 16.3743, 0.3215,
0.3281

Harmonies

Analogous

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



12.5174, 0.2780, 0.4016



12.5174, 0.2335, 0.3445



12.5174, 0.2107, 0.2887

Triad

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



12.5174, 0.2335, 0.3445



12.5174, 0.2826, 0.2446



12.5174, 0.4227, 0.3960

Complementary

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



12.5174, 0.2335, 0.3445



3.8798, 0.5749, 0.3215

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.



12.5174, 0.4268, 0.3522



12.5174, 0.2335, 0.3445



12.5174, 0.3413, 0.2696

Square

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



12.5174, 0.2335, 0.3445



12.5174, 0.2369, 0.2376



12.5174, 0.3962, 0.3076



12.5174, 0.3878, 0.4282

Rectangle

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



12.5174, 0.2335, 0.3445



12.5174, 0.2089, 0.2615



12.5174, 0.3962, 0.3076



12.5174, 0.4279, 0.3821

Sweetspot

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



12.5179, 0.2335, 0.3445



25.5932, 0.2791, 0.3331



11.6099, 0.3046, 0.5726



6.0894, 0.2759, 0.3336



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.5179, 0.2335, 0.3445



22.1346, 0.2301, 0.3484



5.7477, 0.1986, 0.2131



3.8116, 0.3004, 0.3303



14.5693, 0.2300, 0.3480



72.5271, 0.2303, 0.3491

Inverse Universe

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



3.8798, 0.5749, 0.3215



6.0721, 0.6311, 0.3250



6.4825, 0.5099, 0.4034



3.4047, 0.3265, 0.3277



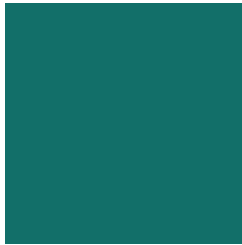
3.9993, 0.6289, 0.3238



19.8752, 0.6351, 0.3272

Previews

White Background



This preview shows how the Yxy color 12.5174, 0.2335, 0.3445 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 12.5174, 0.2335, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

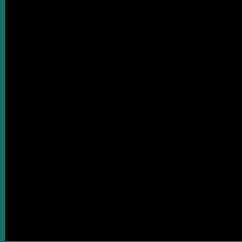
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5174, 0.2335, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 12.5174, 0.2335, 0.3445.



This preview shows how white text looks on a background with the Yxy color 12.5174, 0.2335, 0.3445.

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

12.5174, 0.2335, 0.3445

Protanopia

12.3839, 0.3172, 0.3290

Deuteranopia

12.3915, 0.3080, 0.3029



Tritanopia

12.5213, 0.2270, 0.3064

Trichromacy



Original Color

12.5174, 0.2335, 0.3445

Protanomaly

11.9797, 0.2730, 0.3338

Deuteranomaly

11.7854, 0.2682, 0.3143

Tritanomaly

12.5637, 0.2296, 0.3212

Monochromacy



Original Color

12.5174, 0.2335, 0.3445

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5138, 0.2673, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5174, 0.2335, 0.3445 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(18, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(18, 111, 105)  
}
```

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(18, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 111, 105) }
```

Border

The CSS property to change the border of an element to Yxy 12.5174, 0.2335, 0.3445 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(18, 111, 105) }
```

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

```
.border{ border-color:rgb(18, 111, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 111, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 111, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 111, 105);  
box-shadow:4px 4px 4px 4px rgb(18, 111,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5174, 0.2335, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 111, 105) }
```

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

```
.background{ background-color: rgb(18, 111,  
105) }
```

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