

Converting Colors

$Y_{xy}(12.2756, 0.2371, 0.3514)$

Have a look what the booklet for
Yxy(12.2756, 0.2371, 0.3514)
contains.

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Color

$Y_{xy}(12.2817, 0.2367, 0.3500)$

Conversions

Conversions Part 1

Format	Color
Hex	166E66
RGB	22, 110, 102
RGB Percent	9%, 43%, 40%
CMY	0.9135, 0.5686, 0.6000
CMYK	0.80, 0.00, 0.07, 0.57
HSL	175°, 67%, 26%
HSV	175°, 80%, 43%
XYZ	8.3059, 12.2817, 14.5029
YIQ	82.7760, -49.8800, -21.1440

Conversions

Conversions Part 2

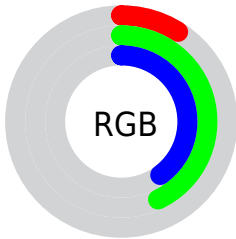
Format	Color
R_{YB}	22, 68, 110
Decimal	1470054
CIE Lab	41.66, -26.66, -2.73
CIE LCh	42, 26.794, 185.838
Yxy	12.2817, 0.2367, 0.3500
Android (android.graphics.Color)	4279660134 (0xFF166E66)
YUV	82.7760, 9.4774, -53.3006
Hunter-Lab	35.0453, -19.0236, -0.0046

Details

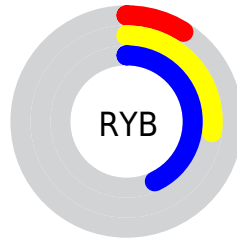
The Yxy color **12.2817, 0.2367, 0.3500** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9852, 0.5530, 0.3169**, and the grayscale version is **8.5940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9796, 0.2557, 0.3447**, and **3.7211, 0.2333, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **12.1627, 0.2340, 0.3529**, and if you desaturate by 10%, it is **12.4552, 0.2411, 0.3471**.

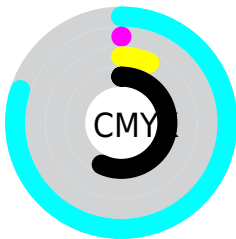
Distribution



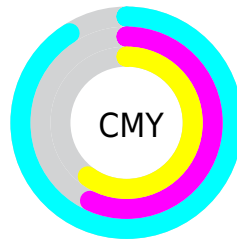
- Red (9%)
- Green (43%)
- Blue (40%)



- Red (9%)
- Yellow (27%)
- Blue (43%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (57%)





- Cyan (91%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2817, 0.2367, 0.3500 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 12.2817, 0.2367, 0.3500 by changing the saturation by 10% instead.


 12.2817, 0.2367,
0.3500


 12.2817, 0.2367,
0.3500

206.2614, 0.2824,
0.3378

 6.9358, 0.2216,
0.3537


 30.0071, 0.2557,
0.3451

 3.4220, 0.1991,
0.3588

 43.1555, 0.2621,
0.3434


 1.3558, 0.1568,
0.3688

 59.6735, 0.2672,
0.3420

 0.1838, 0.0000,
0.3200

 79.9454, 0.2713,
0.3409

 0.0000, 0.0000,
0.0000

 104.3558, 0.2748,
0.3399

 133.2890, 0.2777,

0.3391

167.1294, 0.2802,
0.3384

■ 12.2817, 0.2367,
0.3500

■ 12.2817, 0.2367,
0.3500

■ 12.1627, 0.2340,
0.3529

■ 12.4552, 0.2411,
0.3471

■ 12.0721, 0.2322,
0.3559

■ 12.6879, 0.2472,
0.3441

■ 12.0715, 0.2322,
0.3559

■ 12.9855, 0.2550,
0.3413

■ 13.3526, 0.2644,
0.3385

■ 13.7935, 0.2750,
0.3359

■ 14.3121, 0.2868,
0.3334

■ 14.9119, 0.2995,
0.3311

■ 15.5964, 0.3128,
0.3290

■ 16.3687, 0.3265,
0.3271

Harmonies

Analogous

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



12.2817, 0.2828, 0.4059



12.2817, 0.2367, 0.3500



12.2817, 0.2117, 0.2931

Triad

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



12.2817, 0.2367, 0.3500



12.2817, 0.2777, 0.2432



12.2817, 0.4245, 0.3923

Complementary

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



12.2817, 0.2367, 0.3500



3.9852, 0.5530, 0.3169

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.



12.2817, 0.4254, 0.3481



12.2817, 0.2367, 0.3500



12.2817, 0.3359, 0.2667

Square

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



12.2817, 0.2367, 0.3500



12.2817, 0.2337, 0.2380



12.2817, 0.3919, 0.3038



12.2817, 0.3919, 0.4262

Rectangle

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



12.2817, 0.2367, 0.3500



12.2817, 0.2085, 0.2646



12.2817, 0.3919, 0.3038



12.2817, 0.4287, 0.3781

Sweetspot

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



12.2822, 0.2367, 0.3500



24.6904, 0.2812, 0.3345



11.4988, 0.3075, 0.5628



5.6895, 0.2780, 0.3352



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.2822, 0.2367, 0.3500



21.2424, 0.2329, 0.3555



6.3053, 0.2045, 0.2282



3.8102, 0.3007, 0.3309



14.4999, 0.2323, 0.3562



72.1639, 0.2327, 0.3578

Inverse Universe

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



3.9852, 0.5530, 0.3169



5.9901, 0.6168, 0.3223



6.3228, 0.5053, 0.3969



3.4060, 0.3261, 0.3271



4.0063, 0.6244, 0.3213



19.8977, 0.6321, 0.3256

Previews

White Background



This preview shows how the Yxy color 12.2817, 0.2367, 0.3500 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 12.2817, 0.2367, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

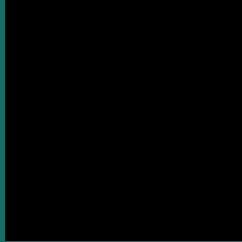
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.2817, 0.2367, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 12.2817, 0.2367, 0.3500.



This preview shows how white text looks on a background with the Yxy color 12.2817, 0.2367, 0.3500.

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

12.2817, 0.2367, 0.3500

Protanopia

12.0849, 0.3201, 0.3336

Deuteranopia

12.1474, 0.3122, 0.3071



Tritanopia

12.3328, 0.2285, 0.3063

Trichromacy



Original Color

12.2817, 0.2367, 0.3500

Protanomaly

11.7623, 0.2774, 0.3389

Deuteranomaly

11.5697, 0.2725, 0.3191

Tritanomaly

12.3683, 0.2311, 0.3211

Monochromacy



Original Color

12.2817, 0.2367, 0.3500

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5590, 0.2710, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2817, 0.2367, 0.3500 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(22, 110, 102)` looks like.

```
.text, #text, p{  
    color:rgb(22, 110, 102)  
}
```

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(22, 110, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 110, 102) }
```

Border

The CSS property to change the border of an element to Yxy 12.2817, 0.2367, 0.3500 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(22, 110, 102) }
```

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

```
.border{ border-color:rgb(22, 110, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 110, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 110, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 110, 102);  
box-shadow:4px 4px 4px 4px rgb(22, 110,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2817, 0.2367, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 110, 102) }
```

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

```
.background{ background-color: rgb(22, 110,  
102) }
```

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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