

Converting Colors

$Y_{xy}(9.1015, 0.0645, 0.3541)$

Have a look what the booklet for
Yxy(9.1015, 0.0645, 0.3541)
contains.

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Color

$\text{Yxy}(12.6083, 0.2298, 0.3472)$

Conversions

Conversions Part 1

Format	Color
Hex	007069
RGB	0, 112, 105
RGB Percent	0%, 44%, 41%
CMY	0.9997, 0.5608, 0.5882
CMYK	1.00, 0.00, 0.06, 0.56
HSL	176°, 100%, 22%
HSV	176°, 100%, 44%
XYZ	8.3450, 12.6083, 15.3609
YIQ	77.7140, -64.5050, -25.9210

Conversions

Conversions Part 2

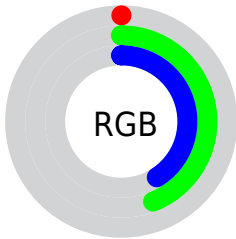
Format	Color
RYB	0, 58, 112
Decimal	28777
CIELab	42.17, -28.49, -3.83
CIELCh	42, 28.748, 187.651
Yxy	12.6083, 0.2298, 0.3472
Android (android.graphics.Color)	4278218857 (0xFF007069)
YUV	77.7140, 13.4520, -68.1552
Hunter-Lab	35.5082, -20.1888, -0.7933

Details

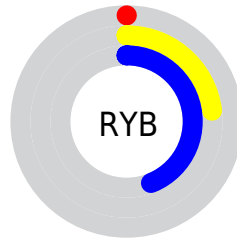
The Yxy color **12.6083, 0.2298, 0.3472** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4619, 0.6282, 0.3235**, and the grayscale version is **7.5500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4877, 0.2503, 0.3429**, and **3.8605, 0.2307, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **12.6082, 0.2298, 0.3472**, and if you desaturate by 10%, it is **12.6958, 0.2317, 0.3452**.

Distribution



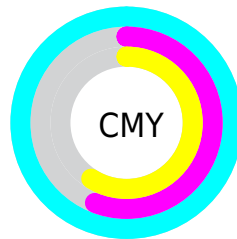
- Red (0%)
- Green (44%)
- Blue (41%)



- Red (0%)
- Yellow (23%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6083, 0.2298, 0.3472 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 12.6083, 0.2298, 0.3472 by changing the saturation by 10% instead.


 12.6083, 0.2298,
0.3472


 12.6083, 0.2298,
0.3472

208.3918, 0.2793,
0.3370


 7.1594, 0.2137,
0.3500


 30.5983, 0.2503,
0.3432


 3.5620, 0.1900,
0.3537

 43.9081, 0.2572,
0.3418


 1.4317, 0.1471,
0.3603

 60.6070, 0.2627,
0.3407

 0.2399, 0.0000,
0.3121


 81.0794, 0.2672,
0.3397

 0.0000, 0.0000,
0.0000

 105.7097, 0.2710,
0.3389

 134.8823, 0.2742,

0.3382


 168.9815, 0.2769,
0.3375

 12.6083, 0.2298,
0.3472


 12.6083, 0.2298,
0.3472

 12.6082, 0.2298,
0.3472

 12.6958, 0.2317,
0.3452

 12.8133, 0.2346,
0.3432

 12.9866, 0.2392,
0.3412

 13.2219, 0.2455,
0.3393

 13.5247, 0.2535,
0.3373

■ 13.8999, 0.2631,
0.3355

■ 14.3519, 0.2740,
0.3337

■ 14.8847, 0.2861,
0.3320

■ 15.5022, 0.2991,
0.3304

Harmonies

Analogous

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



12.6083, 0.2772, 0.4083



12.6083, 0.2298, 0.3472



12.6083, 0.2052, 0.2873

Triad

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



12.6083, 0.2298, 0.3472



12.6083, 0.2789, 0.2395



12.6083, 0.4300, 0.3980

Complementary

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



12.6083, 0.2298, 0.3472



3.4619, 0.6282, 0.3235

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.



12.6083, 0.4336, 0.3515



12.6083, 0.2298, 0.3472



12.6083, 0.3410, 0.2652

Square

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



12.6083, 0.2298, 0.3472



12.6083, 0.2313, 0.2326



12.6083, 0.4000, 0.3047



12.6083, 0.3934, 0.4334

Rectangle

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



12.6083, 0.2298, 0.3472



12.6083, 0.2030, 0.2582



12.6083, 0.4000, 0.3047



12.6083, 0.4353, 0.3831

Sweetspot

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



12.6088, 0.2298, 0.3472



25.1397, 0.2730, 0.3338



11.6370, 0.3026, 0.5979



5.9747, 0.2693, 0.3344



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.



12.6088, 0.2298, 0.3472



22.1433, 0.2299, 0.3477



4.7810, 0.1854, 0.1874



3.8118, 0.3004, 0.3303



14.5749, 0.2298, 0.3474



72.5565, 0.2301, 0.3484

Inverse Universe

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



3.4619, 0.6282, 0.3235



6.0715, 0.6314, 0.3252



5.6063, 0.5527, 0.3992



3.4046, 0.3265, 0.3277



3.9988, 0.6292, 0.3240



19.8736, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 12.6083, 0.2298, 0.3472 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 12.6083, 0.2298, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

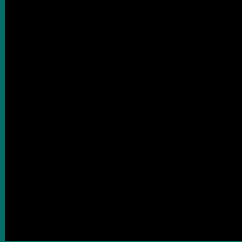
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6083, 0.2298, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 12.6083, 0.2298, 0.3472.



This preview shows how white text looks on a background with the Yxy color 12.6083, 0.2298, 0.3472.

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

12.6083, 0.2298, 0.3472

Protanopia

12.6115, 0.3199, 0.3335

Deuteranopia

12.6354, 0.3094, 0.3052



Tritanopia

12.7034, 0.2251, 0.3065

Trichromacy



Original Color

12.6083, 0.2298, 0.3472

Protanomaly

11.9445, 0.2676, 0.3389

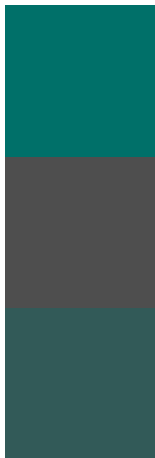
Deuteranomaly

11.7576, 0.2617, 0.3165

Tritanomaly

12.7030, 0.2263, 0.3211

Monochromacy



Original Color

12.6083, 0.2298, 0.3472

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.6950, 0.2591, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6083, 0.2298, 0.3472 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(0, 112, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 105) }
```

Border

The CSS property to change the border of an element to Yxy 12.6083, 0.2298, 0.3472 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(0, 112, 105) }
```

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

```
.border{ border-color:rgb(0, 112, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6083, 0.2298, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 105) }
```

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

```
.background{ background-color: rgb(0, 112,  
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](#).

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