

Converting Colors

$Y_{xy}(12.7507, 0.2265, 0.3354)$

Have a look what the booklet for
Yxy(12.7507, 0.2265, 0.3354)
contains.

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Color

Yxy(12.7141, 0.2261, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	00706E
RGB	0, 112, 110
RGB Percent	0%, 44%, 43%
CMY	0.9998, 0.5608, 0.5686
CMYK	1.00, 0.00, 0.02, 0.56
HSL	179°, 100%, 22%
HSV	179°, 100%, 44%
XYZ	8.6093, 12.7141, 16.7541
YIQ	78.2840, -66.1100, -24.3660

Conversions

Conversions Part 2

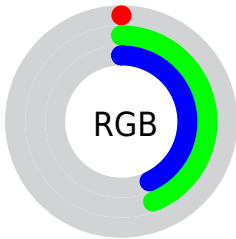
Format	Color
RYB	0, 57, 112
Decimal	28782
CIELab	42.33, -26.87, -6.60
CIELCh	42, 27.669, 193.811
Yxy	12.7141, 0.2261, 0.3339
Android (android.graphics.Color)	4278218862 (0xFF00706E)
YUV	78.2840, 15.6360, -68.6551
Hunter-Lab	35.6568, -19.3007, -2.8989

Details

The Yxy color **12.7141, 0.2261, 0.3339** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4504, 0.6365, 0.3281**, and the grayscale version is **7.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7019, 0.2477, 0.3340**, and **3.9139, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **12.7142, 0.2261, 0.3339**, and if you desaturate by 10%, it is **12.7915, 0.2283, 0.3334**.

Distribution



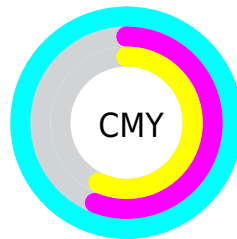
- Red (0%)
- Green (44%)
- Blue (43%)



- Red (0%)
- Yellow (22%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7141, 0.2261, 0.3339 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 12.7141, 0.2261, 0.3339 by changing the saturation by 10% instead.


 12.7141, 0.2261,
0.3339


 12.7141, 0.2261,
0.3339


209.0772, 0.2775,
0.3321


 7.2320, 0.2096,
0.3337


 30.7892, 0.2472,
0.3336


 3.6076, 0.1856,
0.3325

 44.1509, 0.2544,
0.3334

 1.4566, 0.1452,
0.3297

 60.9080, 0.2601,
0.3331

 0.2579, 0.0000,
0.2578


 81.4448, 0.2649,
0.3329


 0.0000, 0.0000,
0.0000


 106.1457, 0.2688,
0.3327


 135.3952, 0.2721,


0.3325

 169.5775, 0.2750,
0.3323


 12.7141, 0.2261,
0.3339


 12.7141, 0.2261,
0.3339


 12.7142, 0.2261,
0.3339

 12.7915, 0.2283,
0.3334

 12.8987, 0.2315,
0.3328

 13.0615, 0.2363,
0.3323

 13.2863, 0.2429,
0.3317

 13.5784, 0.2512,
0.3312

■ 13.9428, 0.2611,
0.3307

■ 14.3839, 0.2724,
0.3302

■ 14.9057, 0.2850,
0.3298

■ 15.5121, 0.2985,
0.3294

Harmonies

Analogous

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



12.7141, 0.2680, 0.3942



12.7141, 0.2261, 0.3339



12.7141, 0.2072, 0.2794

Triad

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



12.7141, 0.2261, 0.3339



12.7141, 0.2918, 0.2463



12.7141, 0.4206, 0.4041

Complementary

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



12.7141, 0.2261, 0.3339



3.4504, 0.6365, 0.3281

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.



12.7141, 0.4311, 0.3606



12.7141, 0.2261, 0.3339



12.7141, 0.3526, 0.2744

Square

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



12.7141, 0.2261, 0.3339



12.7141, 0.2421, 0.2357



12.7141, 0.4057, 0.3148



12.7141, 0.3805, 0.4336

Rectangle

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



12.7141, 0.2261, 0.3339



12.7141, 0.2083, 0.2545



12.7141, 0.4057, 0.3148



12.7141, 0.4279, 0.3905

Sweetspot

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



12.7146, 0.2261, 0.3339



25.1991, 0.2714, 0.3303



11.6128, 0.3013, 0.5989



5.9904, 0.2676, 0.3304



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.



12.7146, 0.2261, 0.3339



22.3339, 0.2261, 0.3340



4.3768, 0.1823, 0.1762



3.8142, 0.2998, 0.3293



14.6982, 0.2261, 0.3339



73.2038, 0.2262, 0.3342

Inverse Universe

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



3.4504, 0.6365, 0.3281



6.0573, 0.6376, 0.3286



5.9274, 0.5435, 0.4066



3.4024, 0.3272, 0.3287



3.9870, 0.6369, 0.3282



19.8475, 0.6388, 0.3293

Previews

White Background



This preview shows how the Yxy color 12.7141, 0.2261, 0.3339 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 12.7141, 0.2261, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

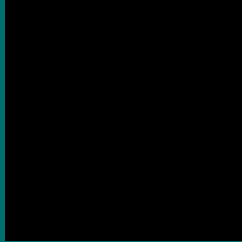
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7141, 0.2261, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 12.7141, 0.2261, 0.3339.



This preview shows how white text looks on a background with the Yxy color 12.7141, 0.2261, 0.3339.

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

12.7141, 0.2261, 0.3339

Protanopia

12.6497, 0.3116, 0.3223

Deuteranopia

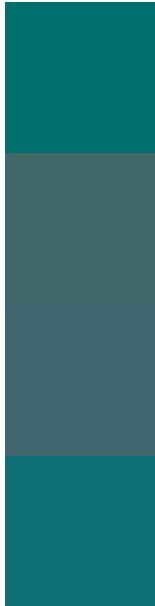
12.6252, 0.2998, 0.2946



Tritanopia

12.8955, 0.2236, 0.3066

Trichromacy



Original Color

12.7141, 0.2261, 0.3339

Protanomaly

12.0105, 0.2613, 0.3264

Deuteranomaly

11.8308, 0.2555, 0.3046

Tritanomaly

12.7232, 0.2241, 0.3161

Monochromacy



Original Color

12.7141, 0.2261, 0.3339

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.7286, 0.2568, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7141, 0.2261, 0.3339 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.7141, 0.2261, 0.3339 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, 110) }
```

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

```
.border{ border-color:rgb(0, 112, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7141, 0.2261, 0.3339 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, 110) }
```

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

```
.background{ background-color: rgb(0, 112,  
110) }
```

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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