

Converting Colors

$Y_{xy}(12.3600, 0.2232, 0.3235)$

Have a look what the booklet for
Yxy(12.3600, 0.2232, 0.3235)
contains.

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Color

$Y_{xy}(12.3217, 0.2232, 0.3236)$

Conversions

Conversions Part 1

Format	Color
Hex	006E70
RGB	0, 110, 112
RGB Percent	0%, 43%, 44%
CMY	1.0000, 0.5686, 0.5608
CMYK	1.00, 0.02, 0.00, 0.56
HSL	181°, 100%, 22%
HSV	181°, 100%, 44%
XYZ	8.4988, 12.3217, 17.2565
YIQ	77.3380, -66.2020, -22.6980

Conversions

Conversions Part 2

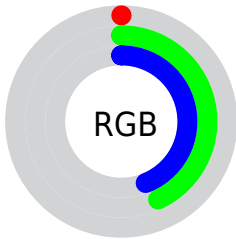
Format	Color
RYB	0, 55, 112
Decimal	28272
CIELab	41.72, -25.22, -8.71
CIELCh	42, 26.683, 199.054
Yxy	12.3217, 0.2232, 0.3236
Android (android.graphics.Color)	4278218352 (0xFF006E70)
YUV	77.3380, 17.0884, -67.8254
Hunter-Lab	35.1023, -18.2115, -4.5757

Details

The Yxy color **12.3217, 0.2232, 0.3236** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4871, 0.6378, 0.3318**, and the grayscale version is **7.4651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0575, 0.2446, 0.3253**, and **3.8154, 0.2223, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **12.3230, 0.2232, 0.3236**, and if you desaturate by 10%, it is **12.4383, 0.2258, 0.3242**.

Distribution



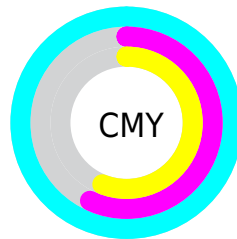
- Red (0%)
- Green (43%)
- Blue (44%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3217, 0.2232, 0.3236 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 12.3217, 0.2232, 0.3236 by changing the saturation by 10% instead.


 12.3217, 0.2232,
0.3236


 12.3217, 0.2232,
0.3236


 206.5235, 0.2764,
0.3283


 6.9632, 0.2061,
0.3211


 30.0797, 0.2451,
0.3261


 3.4391, 0.1814,
0.3164

 43.2479, 0.2525,
0.3267


 1.3650, 0.1392,
0.3075

 59.7882, 0.2584,
0.3272

 0.1907, 0.0000,
0.1893

 80.0848, 0.2633,
0.3275


 0.0000, 0.0000,
0.0000


 104.5223, 0.2674,
0.3278


 133.4850, 0.2708,

0.3280


 167.3573, 0.2738,
0.3281


 12.3217, 0.2232,
0.3236


 12.3217, 0.2232,
0.3236

 12.3230, 0.2232,
0.3236

 12.4383, 0.2258,
0.3242

 12.5839, 0.2292,
0.3247

 12.7851, 0.2344,
0.3253

 13.0482, 0.2412,
0.3258

 13.3788, 0.2498,
0.3264

■ 13.7817, 0.2600,
0.3270

■ 14.2613, 0.2716,
0.3275

■ 14.8217, 0.2844,
0.3280

■ 15.4667, 0.2982,
0.3285

Harmonies

Analogous

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



12.3217, 0.2607, 0.3829



12.3217, 0.2232, 0.3236



12.3217, 0.2089, 0.2734

Triad

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



12.3217, 0.2232, 0.3236



12.3217, 0.3024, 0.2519



12.3217, 0.4129, 0.4090

Complementary

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



12.3217, 0.2232, 0.3236



3.4871, 0.6378, 0.3318

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.



12.3217, 0.4288, 0.3680



12.3217, 0.2232, 0.3236



12.3217, 0.3618, 0.2819

Square

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



12.3217, 0.2232, 0.3236



12.3217, 0.2510, 0.2382



12.3217, 0.4100, 0.3229



12.3217, 0.3702, 0.4334

Rectangle

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



12.3217, 0.2232, 0.3236



12.3217, 0.2127, 0.2516



12.3217, 0.4100, 0.3229



12.3217, 0.4218, 0.3964

Sweetspot

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



12.3230, 0.2232, 0.3236



24.9871, 0.2706, 0.3275



11.5902, 0.2995, 0.5981



5.9341, 0.2667, 0.3273



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.



12.3230, 0.2232, 0.3236



21.6329, 0.2232, 0.3235



3.8199, 0.1777, 0.1598



3.8055, 0.2996, 0.3286



14.2453, 0.2232, 0.3236



70.8203, 0.2231, 0.3233

Inverse Universe

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



4.5700, 0.3252, 0.1565



8.0280, 0.3253, 0.1566



6.4563, 0.5296, 0.4177



3.4525, 0.3139, 0.3086



5.2839, 0.3252, 0.1565



26.3071, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 12.3217, 0.2232, 0.3236 looks on a white background.

Color Contrast Check

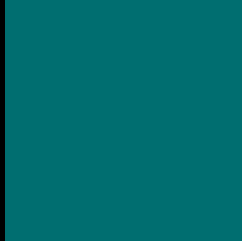
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3217, 0.2232, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

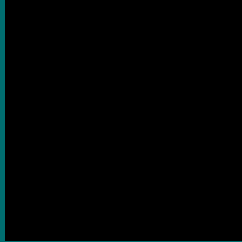
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3217, 0.2232, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 12.3217, 0.2232, 0.3236.

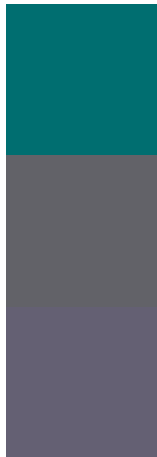


This preview shows how white text looks on a background with the Yxy color 12.3217, 0.2232, 0.3236.

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

12.3217, 0.2232, 0.3236

Protanopia

12.3315, 0.3046, 0.3155

Deuteranopia

12.3129, 0.2930, 0.2878



Tritanopia

12.3739, 0.2224, 0.3062

Trichromacy



Original Color

12.3217, 0.2232, 0.3236

Protanomaly

11.5884, 0.2564, 0.3163

Deuteranomaly

11.6123, 0.2510, 0.2973

Tritanomaly

12.2694, 0.2220, 0.3109

Monochromacy



Original Color

12.3217, 0.2232, 0.3236

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.5359, 0.2552, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3217, 0.2232, 0.3236 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, 110, 112)` looks like.

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

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, 110, 112) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 12.3217, 0.2232, 0.3236 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, 110, 112) }
```

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

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

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

Here you see how a box with a 4 pixel `rgb(0, 110, 112)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 12.3217, 0.2232, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 112) }
```

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

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

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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