

Converting Colors

$Y_{xy}(9.9661, 0.1551, 0.3205)$

Have a look what the booklet for
Yxy(9.9661, 0.1551, 0.3205)
contains.

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Color

Yxy(11.6412, 0.2225, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	006B6E
RGB	0, 107, 110
RGB Percent	0%, 42%, 43%
CMY	0.9991, 0.5804, 0.5686
CMYK	1.00, 0.03, 0.00, 0.57
HSL	182°, 100%, 22%
HSV	182°, 100%, 43%
XYZ	8.0741, 11.6412, 16.5727
YIQ	75.3490, -64.7350, -21.7510

Conversions

Conversions Part 2

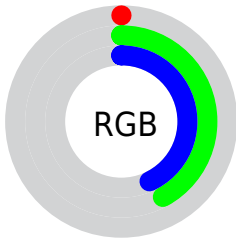
Format	Color
RYB	0, 54, 110
Decimal	27502
CIELab	40.64, -24.34, -9.13
CIELCh	41, 25.997, 200.558
Yxy	11.6412, 0.2225, 0.3208
Android (android.graphics.Color)	4278217582 (0xFF006B6E)
YUV	75.3490, 17.0829, -66.0811
Hunter-Lab	34.1192, -17.4677, -4.9155

Details

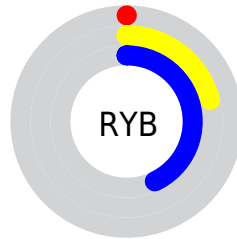
The Yxy color **11.6412, 0.2225, 0.3208** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3855, 0.6358, 0.3329**, and the grayscale version is **7.0921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9008, 0.2443, 0.3235**, and **3.4868, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **11.6389, 0.2224, 0.3208**, and if you desaturate by 10%, it is **11.7757, 0.2252, 0.3217**.

Distribution



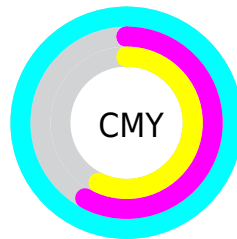
- Red (0%)
- Green (42%)
- Blue (43%)



- Red (0%)
- Yellow (21%)
- Blue (43%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)




- Cyan (100%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6412, 0.2225, 0.3208 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 11.6412, 0.2225, 0.3208 by changing the saturation by 10% instead.


 11.6412, 0.2225,
0.3208

 11.6412, 0.2225,
0.3208


 202.0152, 0.2765,
0.3272


 6.4999, 0.2050,
0.3176


 28.8399, 0.2448,
0.3241


 3.1513, 0.1793,
0.3118

 41.6661, 0.2523,
0.3250

 1.2112, 0.1311,
0.3022

 57.8226, 0.2583,
0.3256

 0.0709, 0.0000,
0.0901

 77.6940, 0.2633,
0.3261

 0.0000, 0.0000,
0.0000

 101.6645, 0.2674,
0.3265


 130.1187, 0.2709,

0.3268


 163.4408, 0.2739,
0.3270


 11.6412, 0.2225,
0.3208


 11.6412, 0.2225,
0.3208

 11.6389, 0.2224,
0.3208

 11.7757, 0.2252,
0.3217

 11.9393, 0.2288,
0.3225

 12.1565, 0.2341,
0.3234

 12.4334, 0.2411,
0.3243

 12.7753, 0.2499,
0.3251

■ 13.1868, 0.2602,
0.3260

■ 13.6720, 0.2718,
0.3268

■ 14.2350, 0.2847,
0.3276

■ 14.8792, 0.2985,
0.3283

Harmonies

Analogous

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



11.6412, 0.2587, 0.3797



11.6412, 0.2225, 0.3208



11.6412, 0.2094, 0.2719

Triad

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



11.6412, 0.2225, 0.3208



11.6412, 0.3054, 0.2535



11.6412, 0.4107, 0.4102

Complementary

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



11.6412, 0.2225, 0.3208



3.3855, 0.6358, 0.3329

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.



11.6412, 0.4280, 0.3700



11.6412, 0.2225, 0.3208



11.6412, 0.3643, 0.2841

Square

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



11.6412, 0.2225, 0.3208



11.6412, 0.2536, 0.2390



11.6412, 0.4111, 0.3252



11.6412, 0.3672, 0.4332

Rectangle

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



11.6412, 0.2225, 0.3208



11.6412, 0.2140, 0.2510



11.6412, 0.4111, 0.3252



11.6412, 0.4199, 0.3980

Sweetspot

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



11.6416, 0.2225, 0.3208



23.9196, 0.2706, 0.3267



11.1576, 0.2995, 0.5978



5.5019, 0.2669, 0.3265



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.



11.6416, 0.2225, 0.3208



20.4113, 0.2224, 0.3206



3.6993, 0.1780, 0.1605



3.8003, 0.2996, 0.3284



13.9752, 0.2224, 0.3207



69.4004, 0.2223, 0.3202

Inverse Universe

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



4.3813, 0.3275, 0.1579



7.6827, 0.3277, 0.1579



6.2359, 0.5289, 0.4179



3.4520, 0.3141, 0.3088



5.2566, 0.3276, 0.1578



26.1638, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 11.6412, 0.2225, 0.3208 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 11.6412, 0.2225, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

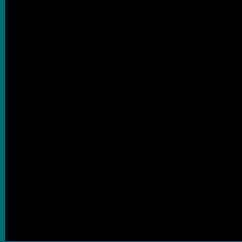
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6412, 0.2225, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 11.6412, 0.2225, 0.3208.



This preview shows how white text looks on a background with the Yxy color 11.6412, 0.2225, 0.3208.

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

11.6412, 0.2225, 0.3208

Protanopia

11.5766, 0.3030, 0.3129

Deuteranopia

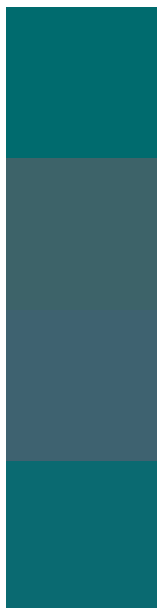
11.5623, 0.2911, 0.2847



Tritanopia

11.6560, 0.2219, 0.3056

Trichromacy



Original Color

11.6412, 0.2225, 0.3208

Protanomaly

10.9357, 0.2562, 0.3136

Deuteranomaly

10.9294, 0.2497, 0.2941

Tritanomaly

11.5649, 0.2218, 0.3105

Monochromacy



Original Color

11.6412, 0.2225, 0.3208

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.1493, 0.2555, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6412, 0.2225, 0.3208 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, 107, 110)` looks like.

```
.text, #text, p{  
  color:rgb(0, 107, 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, 107, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 110) }
```

Border

The CSS property to change the border of an element to Yxy 11.6412, 0.2225, 0.3208 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, 107, 110) }
```

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

```
.border{ border-color:rgb(0, 107, 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, 107, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6412, 0.2225, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 110) }
```

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

```
.background{ background-color: rgb(0, 107,  
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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