

Converting Colors

$Y_{xy}(9.8762, 0.1962, 0.3217)$

Have a look what the booklet for
Yxy(9.8762, 0.1962, 0.3217)
contains.

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Color

$\text{Yxy}(10.5022, 0.2231, 0.3232)$

Conversions

Conversions Part 1

Format	Color
Hex	006668
RGB	0, 102, 104
RGB Percent	0%, 40%, 41%
CMY	1.0000, 0.6000, 0.5921
CMYK	1.00, 0.02, 0.00, 0.59
HSL	181°, 100%, 20%
HSV	181°, 100%, 41%
XYZ	7.2495, 10.5022, 14.7427
YIQ	71.7300, -61.4340, -21.0020

Conversions

Conversions Part 2

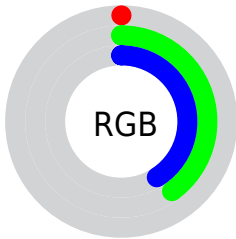
Format	Color
RYB	0, 51, 104
Decimal	26216
CIELab	38.73, -23.86, -8.34
CIELCh	39, 25.272, 199.267
Yxy	10.5022, 0.2231, 0.3232
Android (android.graphics.Color)	4278216296 (0xFF006668)
YUV	71.7300, 15.9091, -62.9072
Hunter-Lab	32.4071, -16.7818, -4.2874

Details

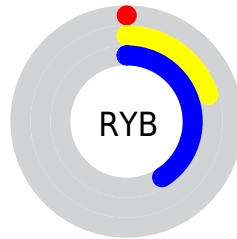
The Yxy color **10.5022, 0.2231, 0.3232** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.9868, 0.6373, 0.3321**, and the grayscale version is **6.4123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6049, 0.2460, 0.3252**, and **2.9337, 0.2208, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **10.5030, 0.2231, 0.3232**, and if you desaturate by 10%, it is **10.6095, 0.2259, 0.3238**.

Distribution



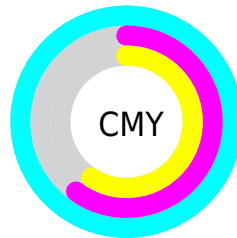
- Red (0%)
- Green (40%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)




- Cyan (100%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5022, 0.2231, 0.3232 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 10.5022, 0.2231, 0.3232 by changing the saturation by 10% instead.


 10.5022, 0.2231,
0.3232

 10.5022, 0.2231,
0.3232


194.2197, 0.2775,
0.3282


 5.7332, 0.2049,
0.3204

 26.7359, 0.2459,
0.3259


 2.6835, 0.1778,
0.3150


 38.9694, 0.2534,
0.3266


 0.9688, 0.1082,
0.3117

 54.4598, 0.2595,
0.3270

 0.0000, 0.0000,
0.0000


 73.5915, 0.2644,
0.3274

 96.7490, 0.2685,
0.3277


 124.3166, 0.2720,


0.3279


 156.6787, 0.2749,
0.3280


 10.5022, 0.2231,
0.3232


 10.5022, 0.2231,
0.3232


 10.5030, 0.2231,
0.3232

 10.6095, 0.2259,
0.3238

 10.7391, 0.2294,
0.3244

 10.9159, 0.2346,
0.3250

 11.1450, 0.2416,
0.3256

 11.4310, 0.2502,
0.3262

■ 11.7779, 0.2603,
0.3268

■ 12.1894, 0.2719,
0.3274

■ 12.6690, 0.2846,
0.3280

■ 13.2196, 0.2983,
0.3285

Harmonies

Analogous

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



10.5022, 0.2604, 0.3825



10.5022, 0.2231, 0.3232



10.5022, 0.2089, 0.2732

Triad

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



10.5022, 0.2231, 0.3232



10.5022, 0.3028, 0.2521



10.5022, 0.4126, 0.4091

Complementary

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



10.5022, 0.2231, 0.3232



2.9868, 0.6373, 0.3321

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.



10.5022, 0.4287, 0.3683



10.5022, 0.2231, 0.3232



10.5022, 0.3622, 0.2822

Square

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



10.5022, 0.2231, 0.3232



10.5022, 0.2514, 0.2383



10.5022, 0.4102, 0.3232



10.5022, 0.3698, 0.4334

Rectangle

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



10.5022, 0.2231, 0.3232



10.5022, 0.2129, 0.2515



10.5022, 0.4102, 0.3232



10.5022, 0.4215, 0.3966

Sweetspot

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



10.5030, 0.2231, 0.3232



21.3179, 0.2709, 0.3274



9.9053, 0.2994, 0.5979



5.1442, 0.2672, 0.3272



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.5030, 0.2231, 0.3232



18.4056, 0.2231, 0.3230



3.3038, 0.1781, 0.1612



3.1766, 0.2999, 0.3286



12.9405, 0.2231, 0.3231



67.3361, 0.2230, 0.3228

Inverse Universe

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



3.9027, 0.3255, 0.1567



6.8444, 0.3256, 0.1568



5.5571, 0.5285, 0.4186



2.8881, 0.3139, 0.3090



4.8099, 0.3256, 0.1567



25.0705, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 10.5022, 0.2231, 0.3232 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 10.5022, 0.2231, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

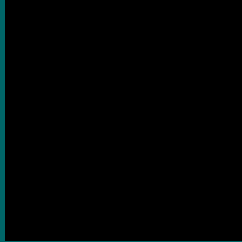
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5022, 0.2231, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 10.5022, 0.2231, 0.3232.

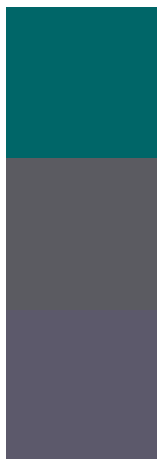


This preview shows how white text looks on a background with the Yxy color 10.5022, 0.2231, 0.3232.

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

10.5022, 0.2231, 0.3232

Protanopia

10.5694, 0.3040, 0.3146

Deuteranopia

10.4816, 0.2916, 0.2872



Tritanopia

10.5216, 0.2227, 0.3072

Trichromacy



Original Color

10.5022, 0.2231, 0.3232

Protanomaly

10.0041, 0.2567, 0.3156

Deuteranomaly

9.9758, 0.2510, 0.2978

Tritanomaly

10.4334, 0.2225, 0.3124

Monochromacy



Original Color

10.5022, 0.2231, 0.3232

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4074, 0.2560, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5022, 0.2231, 0.3232 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, 102, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 104)  
}
```

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, 102, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 104) }
```

Border

The CSS property to change the border of an element to Yxy 10.5022, 0.2231, 0.3232 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, 102, 104) }
```

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

```
.border{ border-color:rgb(0, 102, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5022, 0.2231, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 104) }
```

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

```
.background{ background-color: rgb(0, 102,  
104) }
```

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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