

Converting Colors

$Yxy(18.6543, 0.1792, 0.3235)$

Have a look what the booklet for
Yxy(18.6543, 0.1792, 0.3235)
contains.

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Color

$\text{Yxy}(20.7092, 0.2235, 0.3246)$

Conversions

Conversions Part 1

Format	Color
Hex	008C8E
RGB	0, 140, 142
RGB Percent	0%, 55%, 56%
CMY	1.0000, 0.4510, 0.4432
CMYK	1.00, 0.01, 0.00, 0.44
HSL	181°, 100%, 28%
HSV	181°, 100%, 56%
XYZ	14.2591, 20.7092, 28.8308
YIQ	98.3680, -84.0820, -29.0580

Conversions

Conversions Part 2

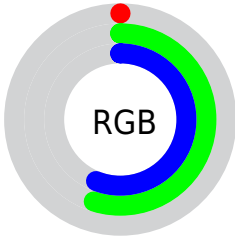
Format	Color
RYB	0, 70, 142
Decimal	35982
CIELab	52.63, -30.14, -10.10
CIELCh	53, 31.788, 198.529
Yxy	20.7092, 0.2235, 0.3246
Android (android.graphics.Color)	4278226062 (0xFF008C8E)
YUV	98.3680, 21.5106, -86.2687
Hunter-Lab	45.5074, -23.7074, -5.7076

Details

The Yxy color **20.7092, 0.2235, 0.3246** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.7925, 0.6387, 0.3311**, and the grayscale version is **12.2719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5953, 0.2425, 0.3258**, and **7.9175, 0.2221, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **20.7102, 0.2235, 0.3246**, and if you desaturate by 10%, it is **20.8631, 0.2255, 0.3250**.

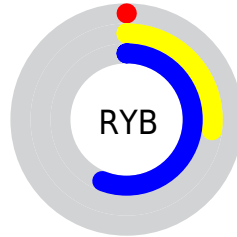
Distribution



Red (0%)

Green (55%)

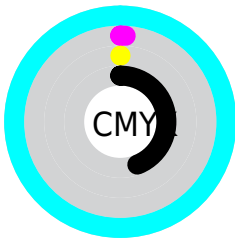
Blue (56%)



Red (0%)

Yellow (27%)

Blue (56%)

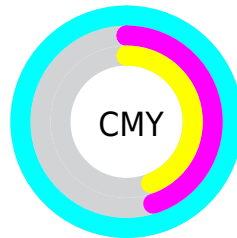


Cyan (100%)

Magenta (1%)

Yellow (0%)

Black (44%)



Cyan (100%)


Magenta (45%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7092, 0.2235, 0.3246 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 20.7092, 0.2235, 0.3246 by changing the saturation by 10% instead.


 20.7092, 0.2235,
0.3246


 20.7092, 0.2235,
0.3246


 255.7290, 0.2727,
0.3285

 12.9116, 0.2096,
0.3228


 44.6031, 0.2426,
0.3266

 7.3677, 0.1907,
0.3197


 61.4681, 0.2494,
0.3271

 3.6931, 0.1639,
0.3139

 82.1244, 0.2550,
0.3275

 1.5034, 0.1196,
0.3032

 106.9564, 0.2597,
0.3278

 0.2911, 0.0000,
0.2213

 136.3485, 0.2637,
0.3281

 0.0000, 0.0000,
0.0000

 170.6850, 0.2671,

0.3282

210.3504, 0.2701,
0.3284

■ 20.7092, 0.2235,
0.3246

■ 20.7092, 0.2235,
0.3246

■ 20.7102, 0.2235,
0.3246

■ 20.8631, 0.2255,
0.3250

■ 21.0787, 0.2287,
0.3255

■ 21.3892, 0.2336,
0.3259

■ 21.8064, 0.2403,
0.3264

■ 22.3402, 0.2488,
0.3269

■ 22.9996, 0.2590,
0.3273

■ 23.7926, 0.2707,
0.3278

■ 24.7265, 0.2838,
0.3282

■ 25.8081, 0.2979,
0.3286

Harmonies

Analogous

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



20.7092, 0.2614, 0.3840



20.7092, 0.2235, 0.3246



20.7092, 0.2087, 0.2740

Triad

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



20.7092, 0.2235, 0.3246



20.7092, 0.3014, 0.2513



20.7092, 0.4137, 0.4085

Complementary

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



20.7092, 0.2235, 0.3246



5.7925, 0.6387, 0.3311

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.



20.7092, 0.4290, 0.3672



20.7092, 0.2235, 0.3246



20.7092, 0.3609, 0.2812

Square

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



20.7092, 0.2235, 0.3246



20.7092, 0.2502, 0.2380



20.7092, 0.4096, 0.3221



20.7092, 0.3712, 0.4334

Rectangle

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



20.7092, 0.2235, 0.3246



20.7092, 0.2123, 0.2519



20.7092, 0.4096, 0.3221



20.7092, 0.4224, 0.3958

Sweetspot

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



20.7102, 0.2235, 0.3246



41.8712, 0.2700, 0.3278



19.3417, 0.3000, 0.6000



9.2317, 0.2655, 0.3276



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.7102, 0.2235, 0.3246



36.5076, 0.2235, 0.3245



6.4581, 0.1781, 0.1613



6.1036, 0.2991, 0.3287



18.6012, 0.2235, 0.3246



0.1805, 0.2241, 0.3268

Inverse Universe

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



7.6431, 0.3243, 0.1560



13.4788, 0.3244, 0.1561



10.2551, 0.5377, 0.4113



5.5098, 0.3139, 0.3076



6.8641, 0.3243, 0.1560



0.0659, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 20.7092, 0.2235, 0.3246 looks on a white 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

Black Background



This preview shows how the Yxy color 20.7092, 0.2235, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

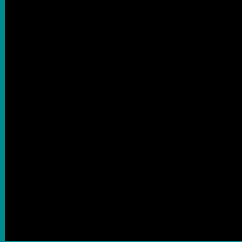
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7092, 0.2235, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 20.7092, 0.2235, 0.3246.

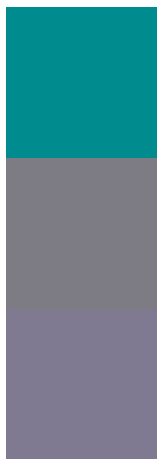


This preview shows how white text looks on a background with the Yxy color 20.7092, 0.2235, 0.3246.

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

20.7092, 0.2235, 0.3246

Protanopia

20.4412, 0.3051, 0.3145

Deuteranopia

20.5064, 0.2925, 0.2870



Tritanopia

20.8494, 0.2218, 0.3065

Trichromacy



Original Color

20.7092, 0.2235, 0.3246



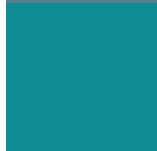
Protanomaly

19.4483, 0.2563, 0.3167



Deuteranomaly

19.4942, 0.2495, 0.2975



Tritanomaly

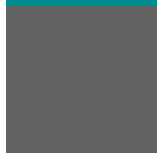
20.6734, 0.2220, 0.3123

Monochromacy



Original Color

20.7092, 0.2235, 0.3246



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.0493, 0.2540, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7092, 0.2235, 0.3246 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, 140, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 142)  
}
```

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, 140, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.7092, 0.2235, 0.3246 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, 140, 142) }
```

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

```
.border{ border-color:rgb(0, 140, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7092, 0.2235, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 142) }
```

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

```
.background{ background-color: rgb(0, 140,  
142) }
```

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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