

Converting Colors

$Yxy(16.1342, 0.2202, 0.3259)$

Have a look what the booklet for
Yxy(16.1342, 0.2202, 0.3259)
contains.

Yxy(16.1995, 0.2234, 0.3241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(16.1995, 0.2234, 0.3241)$

Conversions

Conversions Part 1

Format	Color
Hex	007D7F
RGB	0, 125, 127
RGB Percent	0%, 49%, 50%
CMY	0.9992, 0.5098, 0.5020
CMYK	1.00, 0.02, 0.00, 0.50
HSL	181°, 100%, 25%
HSV	181°, 100%, 50%
XYZ	11.1662, 16.1995, 22.6173
YIQ	87.8530, -75.1420, -25.8780

Conversions

Conversions Part 2

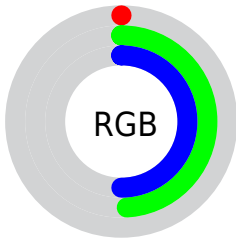
Format	Color
RYB	0, 63, 127
Decimal	32127
CIELab	47.24, -27.68, -9.42
CIELCh	47, 29.241, 198.795
Yxy	16.1995, 0.2234, 0.3241
Android (android.graphics.Color)	4278222207 (0xFF007D7F)
YUV	87.8530, 19.2995, -77.0471
Hunter-Lab	40.2486, -20.9136, -5.1434

Details

The Yxy color **16.1995, 0.2234, 0.3241** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.5607, 0.6378, 0.3314**, and the grayscale version is **9.7085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9299, 0.2437, 0.3256**, and **5.5822, 0.2217, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **16.1979, 0.2234, 0.3241**, and if you desaturate by 10%, it is **16.3345, 0.2256, 0.3246**.

Distribution



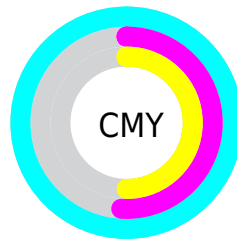
- Red (0%)
- Green (49%)
- Blue (50%)



- Red (0%)
- Yellow (25%)
- Blue (50%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (51%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1995, 0.2234, 0.3241 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 16.1995, 0.2234, 0.3241 by changing the saturation by 10% instead.


 16.1995, 0.2234,
0.3241


 16.1995, 0.2234,
0.3241


 230.5161, 0.2745,
0.3284


 9.6654, 0.2081,
0.3220


 36.9442, 0.2437,
0.3263


 5.1777, 0.1867,
0.3182

 51.9236, 0.2508,
0.3269


 2.3519, 0.1551,
0.3107

 70.4870, 0.2566,
0.3273

 0.8010, 0.0337,
0.3159

 93.0186, 0.2614,
0.3277

 0.0000, 0.0000,
0.0000

 119.9029, 0.2654,
0.3279

 151.5244, 0.2689,

0.3281

188.2673, 0.2719,
0.3282

■ 16.1995, 0.2234,
0.3241

■ 16.1995, 0.2234,
0.3241

■ 16.1979, 0.2234,
0.3241

■ 16.3345, 0.2256,
0.3246

■ 16.5152, 0.2290,
0.3251

■ 16.7698, 0.2340,
0.3256

■ 17.1071, 0.2408,
0.3261

■ 17.5346, 0.2494,
0.3266

■ 18.0591, 0.2596,
0.3272

■ 18.6866, 0.2713,
0.3277

■ 19.4226, 0.2843,
0.3281

■ 20.2724, 0.2983,
0.3286

Harmonies

Analogous

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



16.1995, 0.2611, 0.3834



16.1995, 0.2234, 0.3241



16.1995, 0.2088, 0.2738

Triad

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



16.1995, 0.2234, 0.3241



16.1995, 0.3019, 0.2517



16.1995, 0.4132, 0.4087

Complementary

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



16.1995, 0.2234, 0.3241



4.5607, 0.6378, 0.3314

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.



16.1995, 0.4288, 0.3676



16.1995, 0.2234, 0.3241



16.1995, 0.3613, 0.2816

Square

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



16.1995, 0.2234, 0.3241



16.1995, 0.2506, 0.2381



16.1995, 0.4097, 0.3225



16.1995, 0.3707, 0.4334

Rectangle

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



16.1995, 0.2234, 0.3241



16.1995, 0.2126, 0.2518



16.1995, 0.4097, 0.3225



16.1995, 0.4220, 0.3961

Sweetspot

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



16.2001, 0.2234, 0.3241



33.3559, 0.2702, 0.3276



15.1810, 0.3000, 0.5998



7.7124, 0.2660, 0.3274



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.2001, 0.2234, 0.3241



28.9841, 0.2233, 0.3240



5.1562, 0.1788, 0.1633



4.8756, 0.2993, 0.3286



16.3354, 0.2234, 0.3241



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.9973, 0.3248, 0.1564



10.7290, 0.3249, 0.1563



8.1351, 0.5358, 0.4125



4.4113, 0.3139, 0.3081



6.0436, 0.3248, 0.1563



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.1995, 0.2234, 0.3241 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 16.1995, 0.2234, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

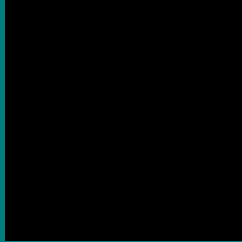
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1995, 0.2234, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 16.1995, 0.2234, 0.3241.

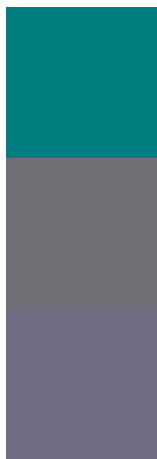


This preview shows how white text looks on a background with the Yxy color 16.1995, 0.2234, 0.3241.

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

16.1995, 0.2234, 0.3241

Protanopia

16.1216, 0.3055, 0.3150

Deuteranopia

16.0867, 0.2915, 0.2864



Tritanopia

16.2960, 0.2222, 0.3064

Trichromacy



Original Color

16.1995, 0.2234, 0.3241

Protanomaly

15.2109, 0.2568, 0.3177

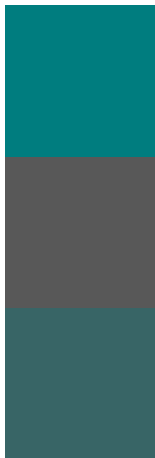
Deuteranomaly

15.2509, 0.2493, 0.2963

Tritanomaly

16.1396, 0.2223, 0.3128

Monochromacy



Original Color

16.1995, 0.2234, 0.3241

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.1074, 0.2550, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1995, 0.2234, 0.3241 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, 125, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 127)  
}
```

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, 125, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.1995, 0.2234, 0.3241 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, 125, 127) }
```

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

```
.border{ border-color:rgb(0, 125, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 125, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1995, 0.2234, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 127) }
```

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

```
.background{ background-color: rgb(0, 125,  
127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor