

Converting Colors

$Yxy(21.7106, 0.2202, 0.3127)$

Have a look what the booklet for
Yxy(21.7106, 0.2202, 0.3127)
contains.

Yxy(21.5480, 0.2202, 0.3126)	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

Yxy(21.5480, 0.2202, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	008E96
RGB	0, 142, 150
RGB Percent	0%, 56%, 59%
CMY	0.9991, 0.4431, 0.4118
CMYK	1.00, 0.05, 0.00, 0.41
HSL	183°, 100%, 29%
HSV	183°, 100%, 59%
XYZ	15.1787, 21.5480, 32.2048
YIQ	100.4540, -87.2000, -27.6160

Conversions

Conversions Part 2

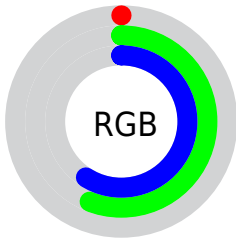
Format	Color
RYB	0, 73, 150
Decimal	36502
CIELab	53.54, -28.49, -13.35
CIELCh	54, 31.462, 205.110
Yxy	21.5480, 0.2202, 0.3126
Android (android.graphics.Color)	4278226582 (0xFF008E96)
YUV	100.4540, 24.4262, -88.0982
Hunter-Lab	46.4198, -22.8673, -8.6399

Details

The Yxy color **21.5480, 0.2202, 0.3126** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.6612, 0.6348, 0.3339**, and the grayscale version is **12.8377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9142, 0.2395, 0.3172**, and **8.3830, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **21.5434, 0.2202, 0.3126**, and if you desaturate by 10%, it is **21.8895, 0.2225, 0.3143**.

Distribution



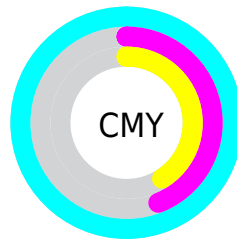
- Red (0%)
- Green (56%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)




- Cyan (100%)
- Magenta (44%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5480, 0.2202, 0.3126 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 21.5480, 0.2202, 0.3126 by changing the saturation by 10% instead.


 21.5480, 0.2202,
0.3126


 21.5480, 0.2202,
0.3126


 260.1766, 0.2707,
0.3234


 13.5252, 0.2062,
0.3087


 45.9978, 0.2396,
0.3173


 7.7912, 0.1873,
0.3029


 63.1935, 0.2466,
0.3188


 3.9616, 0.1610,
0.2932

 84.2157, 0.2523,
0.3200

 1.6521, 0.1216,
0.2754

 109.4487, 0.2572,
0.3209

 0.3924, 0.0000,
0.2168

 139.2769, 0.2613,
0.3217

 0.0000, 0.0000,
0.0000

 174.0847, 0.2649,

0.3224

214.2565, 0.2680,
0.3229

■ 21.5480, 0.2202,
0.3126

■ 21.5480, 0.2202,
0.3126

■ 21.5434, 0.2202,
0.3126

■ 21.8895, 0.2225,
0.3143

■ 22.3060, 0.2261,
0.3161

■ 22.8318, 0.2315,
0.3178

■ 23.4804, 0.2387,
0.3196

■ 24.2632, 0.2477,
0.3213

■ 25.1905, 0.2583,
0.3230

■ 26.2714, 0.2704,
0.3247

■ 27.5144, 0.2838,
0.3262

■ 28.9271, 0.2980,
0.3277

Harmonies

Analogous

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



21.5480, 0.2528, 0.3704



21.5480, 0.2202, 0.3126



21.5480, 0.2109, 0.2671

Triad

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



21.5480, 0.2202, 0.3126



21.5480, 0.3143, 0.2581



21.5480, 0.4043, 0.4141

Complementary

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



21.5480, 0.2202, 0.3126



6.6612, 0.6348, 0.3339

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.



21.5480, 0.4259, 0.3762



21.5480, 0.2202, 0.3126



21.5480, 0.3719, 0.2903

Square

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



21.5480, 0.2202, 0.3126



21.5480, 0.2612, 0.2411



21.5480, 0.4143, 0.3320



21.5480, 0.3586, 0.4326

Rectangle

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



21.5480, 0.2202, 0.3126



21.5480, 0.2178, 0.2487



21.5480, 0.4143, 0.3320



21.5480, 0.4147, 0.4029

Sweetspot

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



21.5488, 0.2202, 0.3126



46.2232, 0.2695, 0.3245



21.8250, 0.2989, 0.5958



10.0776, 0.2648, 0.3239



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.5488, 0.2202, 0.3126



37.9474, 0.2201, 0.3122



6.2917, 0.1736, 0.1446



6.5098, 0.2990, 0.3278



17.8876, 0.2202, 0.3127



0.2320, 0.2226, 0.3213

Inverse Universe

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



8.4404, 0.3345, 0.1617



14.8814, 0.3348, 0.1618



12.6078, 0.5237, 0.4222



5.9039, 0.3145, 0.3083



6.9991, 0.3344, 0.1616



0.0870, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 21.5480, 0.2202, 0.3126 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 21.5480, 0.2202, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

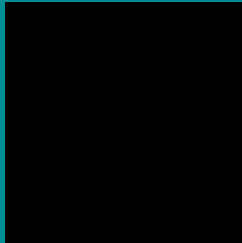
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5480, 0.2202, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 21.5480, 0.2202, 0.3126.

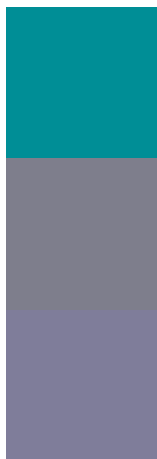


This preview shows how white text looks on a background with the Yxy color 21.5480, 0.2202, 0.3126.

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

21.5480, 0.2202, 0.3126

Protanopia

21.2508, 0.2977, 0.3042

Deuteranopia

21.5124, 0.2847, 0.2794



Tritanopia

21.7475, 0.2204, 0.3068

Trichromacy



Original Color

21.5480, 0.2202, 0.3126

Protanomaly

20.2216, 0.2505, 0.3053

Deuteranomaly

20.2818, 0.2442, 0.2869

Tritanomaly

21.6775, 0.2203, 0.3087

Monochromacy



Original Color

21.5480, 0.2202, 0.3126

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.9127, 0.2524, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5480, 0.2202, 0.3126 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, 142, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 150)  
}
```

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, 142, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 150) }
```

Border

The CSS property to change the border of an element to Yxy 21.5480, 0.2202, 0.3126 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, 142, 150) }
```

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

```
.border{ border-color:rgb(0, 142, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5480, 0.2202, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 150) }
```

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

```
.background{ background-color: rgb(0, 142,  
150) }
```

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