

Converting Colors

$Yxy(20.8614, 0.1999, 0.3209)$

Have a look what the booklet for
Yxy(20.8614, 0.1999, 0.3209)
contains.

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Color

Yxy(22.0846, 0.2224, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	009094
RGB	0, 144, 148
RGB Percent	0%, 56%, 58%
CMY	0.9998, 0.4353, 0.4195
CMYK	1.00, 0.03, 0.00, 0.42
HSL	182°, 100%, 29%
HSV	182°, 100%, 58%
XYZ	15.3201, 22.0846, 31.4805
YIQ	101.4000, -87.1080, -29.2840

Conversions

Conversions Part 2

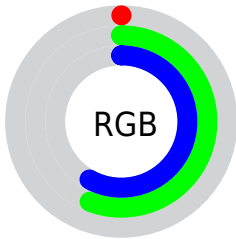
Format	Color
RYB	0, 73, 148
Decimal	37012
CIELab	54.12, -30.12, -11.36
CIELCh	54, 32.188, 200.662
Yxy	22.0846, 0.2224, 0.3206
Android (android.graphics.Color)	4278227092 (0xFF009094)
YUV	101.4000, 22.9738, -88.9278
Hunter-Lab	46.9943, -24.0492, -6.8212

Details

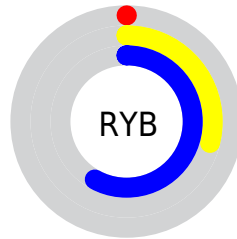
The Yxy color **22.0846, 0.2224, 0.3206** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3864, 0.6374, 0.3320**, and the grayscale version is **13.0837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7271, 0.2411, 0.3230**, and **8.6918, 0.2214, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **22.0846, 0.2224, 0.3206**, and if you desaturate by 10%, it is **22.3075, 0.2245, 0.3215**.

Distribution



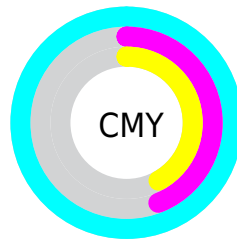
- Red (0%)
- Green (56%)
- Blue (58%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0846, 0.2224, 0.3206 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 22.0846, 0.2224, 0.3206 by changing the saturation by 10% instead.


 22.0846, 0.2224,
0.3206


 22.0846, 0.2224,
0.3206


 262.9878, 0.2717,
0.3268


 13.9191, 0.2087,
0.3181


 46.8858, 0.2413,
0.3235


 8.0644, 0.1903,
0.3142


 64.2902, 0.2481,
0.3243


 4.1362, 0.1645,
0.3074

 85.5431, 0.2538,
0.3250

 1.7500, 0.1261,
0.2941

 111.0288, 0.2585,
0.3255

 0.4557, 0.0000,
0.2554

 141.1317, 0.2625,
0.3259

 0.0000, 0.0000,
0.0000

 176.2363, 0.2660,

0.3263

216.7268, 0.2690,
0.3265

■ 22.0846, 0.2224,
0.3206

■ 22.3075, 0.2245,
0.3215

■ 22.6006, 0.2277,
0.3223

■ 22.9983, 0.2328,
0.3232

■ 23.5138, 0.2396,
0.3241

■ 24.1582, 0.2483,
0.3250

■ 24.9413, 0.2587,
0.3259

■ 25.8720, 0.2705,
0.3267

■ 26.9585, 0.2837,
0.3275

■ 28.2082, 0.2979,
0.3283

Harmonies

Analogous

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



22.0846, 0.2585, 0.3795



22.0846, 0.2224, 0.3206



22.0846, 0.2094, 0.2717

Triad

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



22.0846, 0.2224, 0.3206



22.0846, 0.3056, 0.2536



22.0846, 0.4106, 0.4103

Complementary

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



22.0846, 0.2224, 0.3206



6.3864, 0.6374, 0.3320

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.



22.0846, 0.4280, 0.3702



22.0846, 0.2224, 0.3206



22.0846, 0.3645, 0.2842

Square

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



22.0846, 0.2224, 0.3206



22.0846, 0.2538, 0.2390



22.0846, 0.4112, 0.3253



22.0846, 0.3671, 0.4332

Rectangle

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



22.0846, 0.2224, 0.3206



22.0846, 0.2141, 0.2509



22.0846, 0.4112, 0.3253



22.0846, 0.4199, 0.3981

Sweetspot

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



22.0854, 0.2224, 0.3206



45.5237, 0.2697, 0.3267



21.1922, 0.2996, 0.5986



10.2428, 0.2651, 0.3264



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.



22.0854, 0.2224, 0.3206



38.9123, 0.2224, 0.3204



6.7185, 0.1765, 0.1552



6.5355, 0.2990, 0.3284



18.8647, 0.2224, 0.3207



0.2378, 0.2236, 0.3250

Inverse Universe

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



8.3126, 0.3277, 0.1579



14.6562, 0.3278, 0.1580



11.5364, 0.5333, 0.4147



5.9065, 0.3141, 0.3078



7.0978, 0.3277, 0.1579



0.0876, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 22.0846, 0.2224, 0.3206 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 22.0846, 0.2224, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

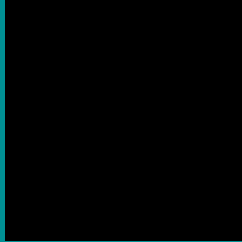
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0846, 0.2224, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 22.0846, 0.2224, 0.3206.



This preview shows how white text looks on a background with the Yxy color 22.0846, 0.2224, 0.3206.

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

22.0846, 0.2224, 0.3206

Protanopia

21.8625, 0.3020, 0.3114

Deuteranopia

21.9345, 0.2899, 0.2847



Tritanopia

22.1821, 0.2211, 0.3051

Trichromacy



Original Color

22.0846, 0.2224, 0.3206

Protanomaly

20.7525, 0.2535, 0.3132

Deuteranomaly

20.8484, 0.2479, 0.2946

Tritanomaly

22.0053, 0.2213, 0.3108

Monochromacy



Original Color

22.0846, 0.2224, 0.3206

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.1206, 0.2537, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0846, 0.2224, 0.3206 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, 144, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 148)  
}
```

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, 144, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 148) }
```

Border

The CSS property to change the border of an element to Yxy 22.0846, 0.2224, 0.3206 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, 144, 148) }
```

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

```
.border{ border-color:rgb(0, 144, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0846, 0.2224, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 148) }
```

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

```
.background{ background-color: rgb(0, 144,  
148) }
```

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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