

Converting Colors

$Yxy(22.7929, 0.2219, 0.3188)$

Have a look what the booklet for
Yxy(22.7929, 0.2219, 0.3188)
contains.

Yxy(22.7921, 0.2219, 0.3188)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7921, 0.2219, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	009297
RGB	0, 146, 151
RGB Percent	0%, 57%, 59%
CMY	0.9998, 0.4274, 0.4079
CMYK	1.00, 0.03, 0.00, 0.41
HSL	182°, 100%, 30%
HSV	182°, 100%, 59%
XYZ	15.8644, 22.7921, 32.8369
YIQ	102.9160, -88.6210, -29.3970

Conversions

Conversions Part 2

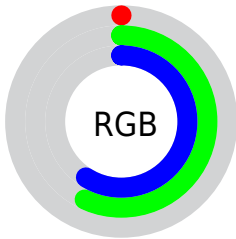
Format	Color
RYB	0, 74, 151
Decimal	37527
CIELab	54.86, -30.13, -11.95
CIELCh	55, 32.410, 201.642
Yxy	22.7921, 0.2219, 0.3188
Android (android.graphics.Color)	4278227607 (0xFF009297)
YUV	102.9160, 23.7054, -90.2573
Hunter-Lab	47.7411, -24.2312, -7.3617

Details

The Yxy color **22.7921, 0.2219, 0.3188** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.6880, 0.6369, 0.3324**, and the grayscale version is **13.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8402, 0.2406, 0.3216**, and **9.1045, 0.2206, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **22.7920, 0.2219, 0.3188**, and if you desaturate by 10%, it is **23.0496, 0.2240, 0.3199**.

Distribution



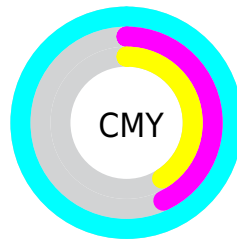
- Red (0%)
- Green (57%)
- Blue (59%)



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



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7921, 0.2219, 0.3188 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 22.7921, 0.2219, 0.3188 by changing the saturation by 10% instead.

■ 22.7921, 0.2219,
0.3188

■ 22.7921, 0.2219,
0.3188

■ 266.6554, 0.2712,
0.3260

■ 14.4401, 0.2083,
0.3160

■ 48.0517, 0.2408,
0.3220

■ 8.4274, 0.1902,
0.3118

■ 65.7281, 0.2475,
0.3231

■ 4.3696, 0.1649,
0.3045

■ 87.2814, 0.2532,
0.3238

■ 1.8824, 0.1279,
0.2907

■ 113.0960, 0.2579,
0.3245

■ 0.5378, 0.0000,
0.2643

■ 143.5563, 0.2620,
0.3250

■ 0.0000, 0.0000,
0.0000

■ 179.0467, 0.2655,

0.3254

219.9516, 0.2685,
0.3257

■ 22.7921, 0.2219,
0.3188

■ 22.7921, 0.2219,
0.3188

■ 22.7920, 0.2219,
0.3188

■ 23.0496, 0.2240,
0.3199

■ 23.3815, 0.2273,
0.3209

■ 23.8231, 0.2324,
0.3220

■ 24.3881, 0.2393,
0.3231

■ 25.0884, 0.2481,
0.3242

■ 25.9341, 0.2585,
0.3252

■ 26.9348, 0.2704,
0.3263

■ 28.0988, 0.2836,
0.3272

■ 29.4342, 0.2978,
0.3282

Harmonies

Analogous

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



22.7921, 0.2572, 0.3775



22.7921, 0.2219, 0.3188



22.7921, 0.2097, 0.2707

Triad

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



22.7921, 0.2219, 0.3188



22.7921, 0.3075, 0.2546



22.7921, 0.4092, 0.4112

Complementary

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



22.7921, 0.2219, 0.3188



6.6880, 0.6369, 0.3324

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.



22.7921, 0.4276, 0.3715



22.7921, 0.2219, 0.3188



22.7921, 0.3662, 0.2855

Square

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



22.7921, 0.2219, 0.3188



22.7921, 0.2554, 0.2395



22.7921, 0.4119, 0.3268



22.7921, 0.3652, 0.4331

Rectangle

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



22.7921, 0.2219, 0.3188



22.7921, 0.2149, 0.2504



22.7921, 0.4119, 0.3268



22.7921, 0.4187, 0.3992

Sweetspot

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



22.7929, 0.2219, 0.3188



48.1209, 0.2696, 0.3262



22.1362, 0.2996, 0.5986



10.7731, 0.2649, 0.3258



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.7929, 0.2219, 0.3188



40.7682, 0.2218, 0.3186



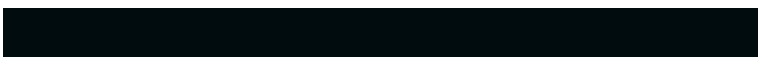
7.0004, 0.1764, 0.1550



6.9915, 0.2989, 0.3282



19.4009, 0.2219, 0.3189



0.2994, 0.2232, 0.3236

Inverse Universe

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



8.6550, 0.3292, 0.1587



15.4944, 0.3294, 0.1588



12.0327, 0.5335, 0.4145



6.3201, 0.3142, 0.3078



7.3638, 0.3292, 0.1587



0.1110, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 22.7921, 0.2219, 0.3188 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 22.7921, 0.2219, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

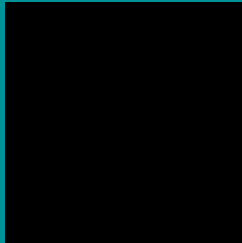
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7921, 0.2219, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 22.7921, 0.2219, 0.3188.



This preview shows how white text looks on a background with the Yxy color 22.7921, 0.2219, 0.3188.

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

22.7921, 0.2219, 0.3188

Protanopia

22.6342, 0.3012, 0.3099

Deuteranopia

22.6302, 0.2882, 0.2836



Tritanopia

22.8445, 0.2209, 0.3054

Trichromacy



Original Color

22.7921, 0.2219, 0.3188



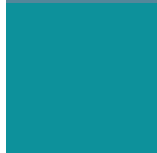
Protanomaly

21.4917, 0.2534, 0.3115



Deuteranomaly

21.5000, 0.2463, 0.2932



Tritanomaly

22.7029, 0.2207, 0.3091

Monochromacy



Original Color

22.7921, 0.2219, 0.3188



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.7080, 0.2543, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7921, 0.2219, 0.3188 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, 146, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 151)  
}
```

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, 146, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 151) }
```

Border

The CSS property to change the border of an element to Yxy 22.7921, 0.2219, 0.3188 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, 146, 151) }
```

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

```
.border{ border-color:rgb(0, 146, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7921, 0.2219, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 151) }
```

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

```
.background{ background-color: rgb(0, 146,  
151) }
```

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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