

Converting Colors

$Yxy(21.1788, 0.2030, 0.3001)$

Have a look what the booklet for
Yxy(21.1788, 0.2030, 0.3001)
contains.

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Color

$\text{Yxy}(22.0792, 0.2170, 0.3012)$

Conversions

Conversions Part 1

Format	Color
Hex	008F9D
RGB	0, 143, 157
RGB Percent	0%, 56%, 62%
CMY	1.0000, 0.4392, 0.3843
CMYK	1.00, 0.09, 0.00, 0.38
HSL	185°, 100%, 31%
HSV	185°, 100%, 62%
XYZ	15.9070, 22.0792, 35.3179
YIQ	101.8390, -89.7220, -25.9620

Conversions

Conversions Part 2

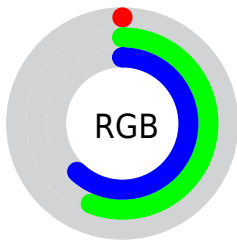
Format	Color
RYB	0, 75, 157
Decimal	36765
CIELab	54.11, -26.66, -16.54
CIELCh	54, 31.373, 211.809
Yxy	22.0792, 0.2170, 0.3012
Android (android.graphics.Color)	4278226845 (0xFF008F9D)
YUV	101.8390, 27.1944, -89.3128
Hunter-Lab	46.9885, -21.8024, -11.6721

Details

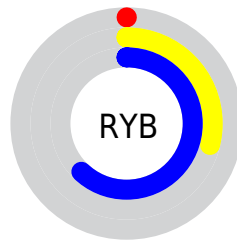
The Yxy color **22.0792, 0.2170, 0.3012** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.4811, 0.6321, 0.3363**, and the grayscale version is **13.1886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8596, 0.2367, 0.3076**, and **8.6949, 0.2136, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **22.0803, 0.2170, 0.3012**, and if you desaturate by 10%, it is **22.6105, 0.2196, 0.3042**.

Distribution



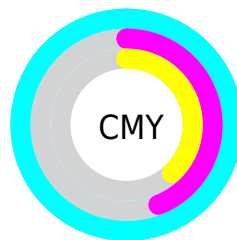
- Red (0%)
- Green (56%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0792, 0.2170, 0.3012 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 22.0792, 0.2170, 0.3012 by changing the saturation by 10% instead.

22.0792, 0.2170,
0.3012

22.0792, 0.2170,
0.3012

262.9596, 0.2689,
0.3184

13.9151, 0.2028,
0.2955

46.8769, 0.2368,
0.3084

8.0616, 0.1839,
0.2872

64.2792, 0.2440,
0.3108

4.1344, 0.1577,
0.2742

85.5298, 0.2499,
0.3127

1.7490, 0.1200,
0.2517

111.0130, 0.2549,
0.3143

0.4551, 0.0000,
0.1993

141.1131, 0.2591,
0.3156

0.0000, 0.0000,
0.0000

176.2147, 0.2628,

0.3166

216.7021, 0.2660,
0.3176

■ 22.0792, 0.2170,
0.3012

■ 22.0792, 0.2170,
0.3012

■ 22.0803, 0.2170,
0.3012

■ 22.6105, 0.2196,
0.3042

■ 23.2284, 0.2236,
0.3071

■ 23.9707, 0.2294,
0.3102

■ 24.8526, 0.2370,
0.3132

■ 25.8870, 0.2464,
0.3161

■ 27.0855, 0.2574,
0.3190

■ 28.4581, 0.2698,
0.3217

■ 30.0145, 0.2833,
0.3243

■ 31.7634, 0.2977,
0.3268

Harmonies

Analogous

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



22.0792, 0.2444, 0.3571



22.0792, 0.2170, 0.3012



22.0792, 0.2130, 0.2606

Triad

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



22.0792, 0.2170, 0.3012



22.0792, 0.3273, 0.2648



22.0792, 0.3949, 0.4196

Complementary

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



22.0792, 0.2170, 0.3012



7.4811, 0.6321, 0.3363

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.



22.0792, 0.4226, 0.3851



22.0792, 0.2170, 0.3012



22.0792, 0.3826, 0.2994

Square

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



22.0792, 0.2170, 0.3012



22.0792, 0.2723, 0.2442



22.0792, 0.4187, 0.3419



22.0792, 0.3463, 0.4313

Rectangle

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



22.0792, 0.2170, 0.3012



22.0792, 0.2233, 0.2456



22.0792, 0.4187, 0.3419



22.0792, 0.4071, 0.4098

Sweetspot

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



22.0803, 0.2170, 0.3012



50.8201, 0.2690, 0.3216



24.1407, 0.2982, 0.5935



10.9650, 0.2641, 0.3205



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.0803, 0.2170, 0.3012



39.4030, 0.2169, 0.3007



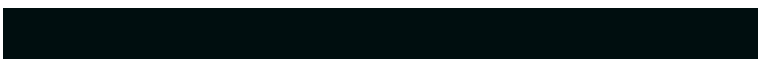
6.2623, 0.1704, 0.1334



7.4083, 0.2988, 0.3269



17.9627, 0.2171, 0.3014



0.3477, 0.2204, 0.3133

Inverse Universe

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



9.1507, 0.3444, 0.1671



16.3750, 0.3448, 0.1673



14.7489, 0.5150, 0.4293



6.7444, 0.3150, 0.3089



7.4356, 0.3442, 0.1670



0.1356, 0.3338, 0.1613

Previews

White Background



This preview shows how the Yxy color 22.0792, 0.2170, 0.3012 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 22.0792, 0.2170, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

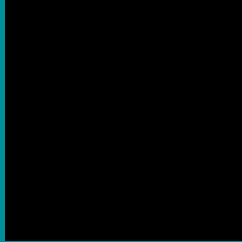
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0792, 0.2170, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 22.0792, 0.2170, 0.3012.

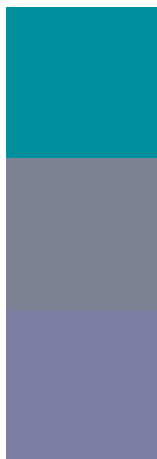


This preview shows how white text looks on a background with the Yxy color 22.0792, 0.2170, 0.3012.

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

22.0792, 0.2170, 0.3012

Protanopia

21.9805, 0.2907, 0.2959

Deuteranopia

21.8549, 0.2761, 0.2699



Tritanopia

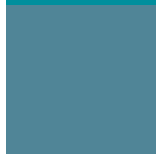
22.0115, 0.2181, 0.3050

Trichromacy



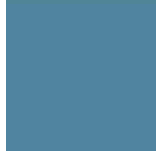
Original Color

22.0792, 0.2170, 0.3012



Protanomaly

20.7149, 0.2456, 0.2944



Deuteranomaly

20.7461, 0.2388, 0.2767



Tritanomaly

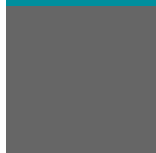
22.0452, 0.2175, 0.3031

Monochromacy



Original Color

22.0792, 0.2170, 0.3012



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.2515, 0.2510, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0792, 0.2170, 0.3012 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, 143, 157)` looks like.

```
.text, #text, p{  
  color:rgb(0, 143, 157)  
}
```

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, 143, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 157) }
```

Border

The CSS property to change the border of an element to Yxy 22.0792, 0.2170, 0.3012 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, 143, 157) }
```

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

```
.border{ border-color:rgb(0, 143, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0792, 0.2170, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 157) }
```

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

```
.background{ background-color: rgb(0, 143,  
157) }
```

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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