

Converting Colors

$Yxy(20.4689, 0.1772, 0.2709)$

Have a look what the booklet for
Yxy(20.4689, 0.1772, 0.2709)
contains.

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Color

Yxy(22.2863, 0.2095, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	008EAB
RGB	0, 142, 171
RGB Percent	0%, 56%, 67%
CMY	1.0000, 0.4431, 0.3293
CMYK	1.00, 0.17, 0.00, 0.33
HSL	190°, 100%, 34%
HSV	190°, 100%, 67%
XYZ	17.0214, 22.2863, 41.9402
YIQ	102.8480, -93.9410, -21.0850

Conversions

Conversions Part 2

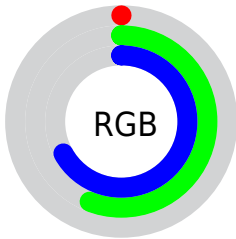
Format	Color
RYB	0, 78, 171
Decimal	36523
CIELab	54.33, -21.31, -24.26
CIELCh	54, 32.293, 228.702
Yxy	22.2863, 0.2095, 0.2743
Android (android.graphics.Color)	4278226603 (0xFF008EAB)
YUV	102.8480, 33.5989, -90.1977
Hunter-Lab	47.2084, -18.2547, -19.6277

Details

The Yxy color **22.2863, 0.2095, 0.2743** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.5388, 0.6221, 0.3442**, and the grayscale version is **13.4514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2462, 0.2307, 0.2877**, and **8.8141, 0.2040, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **22.2893, 0.2095, 0.2743**, and if you desaturate by 10%, it is **23.2839, 0.2130, 0.2803**.

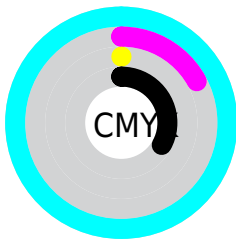
Distribution



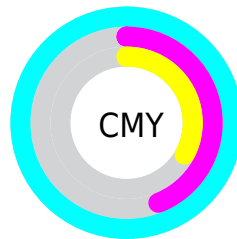
- Red (0%)
- Green (56%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2863, 0.2095, 0.2743 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 22.2863, 0.2095, 0.2743 by changing the saturation by 10% instead.

■ 22.2863, 0.2095,
0.2743

■ 22.2863, 0.2095,
0.2743

■ 264.0378, 0.2649,
0.3061

■ 14.0674, 0.1947,
0.2647

■ 47.2187, 0.2304,
0.2870

■ 8.1676, 0.1752,
0.2514

■ 64.7011, 0.2381,
0.2915

■ 4.2024, 0.1488,
0.2318

■ 86.0400, 0.2444,
0.2951

■ 1.7874, 0.1120,
0.2011

■ 111.6200, 0.2498,
0.2980

■ 0.4793, 0.0000,
0.1444

■ 141.8254, 0.2544,
0.3005

■ 0.0000, 0.0000,
0.0000

■ 177.0405, 0.2583,

0.3027

217.6498, 0.2618,
0.3045

■ 22.2863, 0.2095,
0.2743

■ 22.2863, 0.2095,
0.2743

■ 22.2893, 0.2095,
0.2743

■ 23.2839, 0.2130,
0.2803

■ 24.4045, 0.2179,
0.2863

■ 25.6927, 0.2247,
0.2923

■ 27.1675, 0.2334,
0.2983

■ 28.8452, 0.2437,
0.3041

■ 30.7399, 0.2556,
0.3097

■ 32.8646, 0.2688,
0.3151

■ 35.2311, 0.2829,
0.3201

■ 37.8503, 0.2976,
0.3248

Harmonies

Analogous

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



22.2863, 0.2241, 0.3244



22.2863, 0.2095, 0.2743



22.2863, 0.2189, 0.2453

Triad

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



22.2863, 0.2095, 0.2743



22.2863, 0.3608, 0.2818



22.2863, 0.3705, 0.4326

Complementary

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



22.2863, 0.2095, 0.2743



9.5388, 0.6221, 0.3442

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.



22.2863, 0.4127, 0.4081



22.2863, 0.2095, 0.2743



22.2863, 0.4089, 0.3225

Square

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



22.2863, 0.2095, 0.2743



22.2863, 0.3018, 0.2521



22.2863, 0.4280, 0.3673



22.2863, 0.3149, 0.4256

Rectangle

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



22.2863, 0.2095, 0.2743



22.2863, 0.2379, 0.2385



22.2863, 0.4280, 0.3673



22.2863, 0.3867, 0.4272

Sweetspot

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



22.2893, 0.2095, 0.2743



58.6343, 0.2681, 0.3148



29.2181, 0.2957, 0.5845



12.7190, 0.2626, 0.3127



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.2893, 0.2095, 0.2743



39.6381, 0.2093, 0.2733



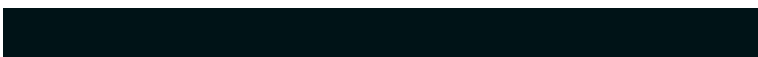
5.8677, 0.1636, 0.1089



8.8374, 0.2986, 0.3251



16.8662, 0.2097, 0.2749



0.5293, 0.2147, 0.2929

Inverse Universe

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



10.6130, 0.3688, 0.1805



18.9758, 0.3697, 0.1810



20.6967, 0.4927, 0.4470



8.1244, 0.3162, 0.3104



8.0057, 0.3682, 0.1802



0.2288, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 22.2863, 0.2095, 0.2743 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 22.2863, 0.2095, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

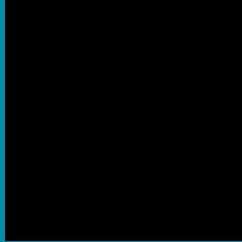
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2863, 0.2095, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 22.2863, 0.2095, 0.2743.

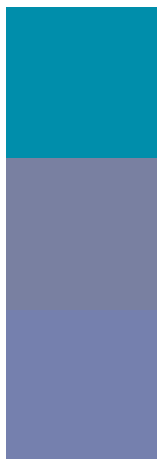


This preview shows how white text looks on a background with the Yxy color 22.2863, 0.2095, 0.2743.

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

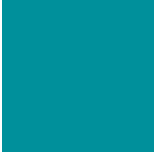
22.2863, 0.2095, 0.2743

Protanopia

22.0765, 0.2723, 0.2728

Deuteranopia

22.2762, 0.2576, 0.2528



Tritanopia

22.3131, 0.2186, 0.3070

Trichromacy



Original Color

22.2863, 0.2095, 0.2743

Protanomaly

21.0695, 0.2338, 0.2701

Deuteranomaly

21.2480, 0.2269, 0.2571

Tritanomaly

22.2181, 0.2150, 0.2938

Monochromacy



Original Color

22.2863, 0.2095, 0.2743

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.4393, 0.2467, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2863, 0.2095, 0.2743 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, 171)` looks like.

```
.text, #text, p{  
  color:rgb(0, 142, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.2863, 0.2095, 0.2743 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, 171) }
```

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

```
.border{ border-color:rgb(0, 142, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2863, 0.2095, 0.2743 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, 171) }
```

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

```
.background{ background-color: rgb(0, 142,  
171) }
```

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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