

Converting Colors

$Y_{xy}(22.1031, 0.2095, 0.2712)$

Have a look what the booklet for
Yxy(22.1031, 0.2095, 0.2712)
contains.

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Color

$\text{Yxy}(22.0799, 0.2094, 0.2708)$

Conversions

Conversions Part 1

Format	Color
Hex	088DAC
RGB	8, 141, 172
RGB Percent	3%, 55%, 67%
CMY	0.9670, 0.4471, 0.3256
CMYK	0.95, 0.18, 0.00, 0.33
HSL	191°, 91%, 35%
HSV	191°, 95%, 67%
XYZ	17.0736, 22.0799, 42.3823
YIQ	104.7670, -89.2190, -18.5550

Conversions

Conversions Part 2

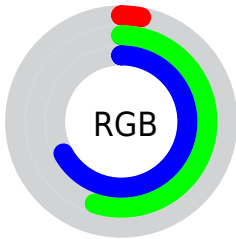
Format	Color
R _Y B	8, 81, 172
Decimal	560556
CIE Lab	54.11, -20.09, -25.15
CIE LCh	54, 32.184, 231.383
Yxy	22.0799, 0.2094, 0.2708
Android (android.graphics.Color)	4278750636 (0xFF088DAC)
YUV	104.7670, 33.1459, -84.8647
Hunter-Lab	46.9893, -17.3730, -20.5846

Details

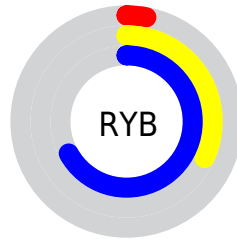
The Yxy color **22.0799, 0.2094, 0.2708** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.2652, 0.6064, 0.3498**, and the grayscale version is **14.0218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9559, 0.2307, 0.2851**, and **8.8382, 0.2033, 0.2520** is the 20% darker color. If you saturate the color by 10%, you get **21.5591, 0.2076, 0.2675**, and if you desaturate by 10%, it is **23.2160, 0.2137, 0.2775**.

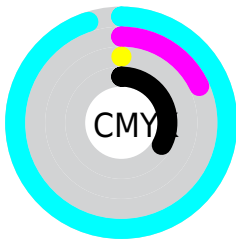
Distribution



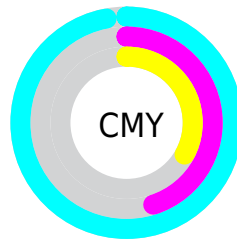
- Red (3%)
- Green (55%)
- Blue (67%)



- Red (3%)
- Yellow (32%)
- Blue (67%)



- Cyan (95%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)



- Cyan (97%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0799, 0.2094, 0.2708 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 22.0799, 0.2094, 0.2708 by changing the saturation by 10% instead.

22.0799, 0.2094,
0.2708

22.0799, 0.2094,
0.2708

262.9632, 0.2649,
0.3045

13.9156, 0.1945,
0.2607

46.8780, 0.2304,
0.2842

8.0620, 0.1750,
0.2468

64.2806, 0.2380,
0.2889

4.1346, 0.1486,
0.2264

85.5315, 0.2444,
0.2927

1.7492, 0.1118,
0.1947

111.0150, 0.2498,
0.2959

0.4552, 0.0000,
0.1351

141.1155, 0.2544,
0.2985

0.0000, 0.0000,
0.0000

176.2175, 0.2583,

0.3008

216.7053, 0.2618,
0.3028

■ 22.0799, 0.2094,
0.2708

■ 22.0799, 0.2094,
0.2708

■ 21.5591, 0.2076,
0.2675

■ 23.2160, 0.2137,
0.2775

■ 24.5146, 0.2198,
0.2843

■ 25.9984, 0.2277,
0.2911

■ 27.6853, 0.2375,
0.2978

■ 29.5906, 0.2489,
0.3043

■ 31.7283, 0.2617,
0.3104

■ 34.1107, 0.2754,
0.3163

■ 36.7497, 0.2900,
0.3217

■ 39.6558, 0.3050,
0.3266

Harmonies

Analogous

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



22.0799, 0.2218, 0.3192



22.0799, 0.2094, 0.2708



22.0799, 0.2209, 0.2439

Triad

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



22.0799, 0.2094, 0.2708



22.0799, 0.3659, 0.2851



22.0799, 0.3658, 0.4334

Complementary

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



22.0799, 0.2094, 0.2708



10.2652, 0.6064, 0.3498

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.



22.0799, 0.4098, 0.4112



22.0799, 0.2094, 0.2708



22.0799, 0.4120, 0.3264

Square

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



22.0799, 0.2094, 0.2708



22.0799, 0.3070, 0.2541



22.0799, 0.4280, 0.3712



22.0799, 0.3099, 0.4231

Rectangle

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



22.0799, 0.2094, 0.2708



22.0799, 0.2412, 0.2384



22.0799, 0.4280, 0.3712



22.0799, 0.3825, 0.4290

Sweetspot

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



22.0807, 0.2094, 0.2708



59.9302, 0.2692, 0.3137



29.6952, 0.2942, 0.5743



12.6424, 0.2636, 0.3113



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.



22.0807, 0.2094, 0.2708



38.8131, 0.2073, 0.2663



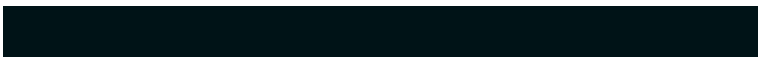
6.2867, 0.1662, 0.1139



8.8102, 0.2986, 0.3246



16.1226, 0.2078, 0.2682



0.5141, 0.2135, 0.2885

Inverse Universe

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



10.8745, 0.3718, 0.1845



19.2840, 0.3763, 0.1847



22.2654, 0.4822, 0.4512



8.1217, 0.3165, 0.3108



7.9306, 0.3745, 0.1837



0.2272, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 22.0799, 0.2094, 0.2708 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 22.0799, 0.2094, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

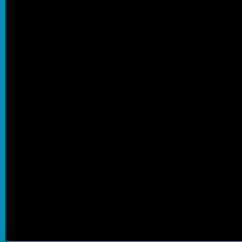
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0799, 0.2094, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 22.0799, 0.2094, 0.2708.

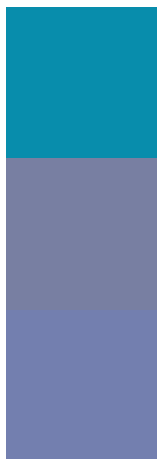


This preview shows how white text looks on a background with the Yxy color 22.0799, 0.2094, 0.2708.

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

22.0799, 0.2094, 0.2708

Protanopia

21.7804, 0.2703, 0.2693

Deuteranopia

21.9187, 0.2547, 0.2493



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



Original Color

22.0799, 0.2094, 0.2708

Protanomaly

20.9180, 0.2341, 0.2667

Deuteranomaly

21.0950, 0.2271, 0.2539

Tritanomaly

21.9386, 0.2147, 0.2918

Monochromacy



Original Color

22.0799, 0.2094, 0.2708

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.8439, 0.2496, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0799, 0.2094, 0.2708 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(8, 141, 172)` looks like.

```
.text, #text, p{  
    color:rgb(8, 141, 172)  
}
```

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(8, 141, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 141, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.0799, 0.2094, 0.2708 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(8, 141, 172) }
```

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

```
.border{ border-color:rgb(8, 141, 172) }
```

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

Here you see how a box with a 4 pixel rgb(8, 141, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 141, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 141, 172);  
box-shadow:4px 4px 4px 4px rgb(8, 141,  
172) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0799, 0.2094, 0.2708$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 141, 172) }
```

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

```
.background{ background-color: rgb(8, 141,  
172) }
```

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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