

Converting Colors

$Yxy(15.8790, 0.0684, 0.2330)$

Have a look what the booklet for
Yxy(15.8790, 0.0684, 0.2330)
contains.

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Color

$\text{Yxy}(22.7649, 0.2042, 0.2552)$

Conversions

Conversions Part 1

Format	Color
Hex	008EB7
RGB	0, 142, 183
RGB Percent	0%, 56%, 72%
CMY	1.0000, 0.4431, 0.2824
CMYK	1.00, 0.22, 0.00, 0.28
HSL	193°, 100%, 36%
HSV	193°, 100%, 72%
XYZ	18.2155, 22.7649, 48.2238
YIQ	104.2160, -97.7930, -17.3530

Conversions

Conversions Part 2

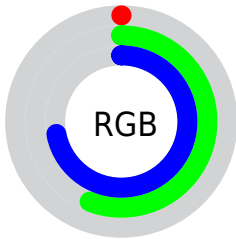
Format	Color
RYB	0, 80, 183
Decimal	36535
CIELab	54.83, -17.03, -30.33
CIELCh	55, 34.783, 240.693
Yxy	22.7649, 0.2042, 0.2552
Android (android.graphics.Color)	4278226615 (0xFF008EB7)
YUV	104.2160, 38.8405, -91.3974
Hunter-Lab	47.7126, -15.3501, -26.5264

Details

The Yxy color **22.7649, 0.2042, 0.2552** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.6490, 0.6130, 0.3515**, and the grayscale version is **13.8193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0915, 0.2258, 0.2719**, and **9.2660, 0.1983, 0.2339** is the 20% darker color. If you saturate the color by 10%, you get **22.7677, 0.2042, 0.2552**, and if you desaturate by 10%, it is **24.1410, 0.2083, 0.2633**.

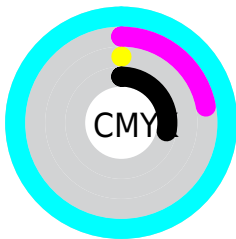
Distribution



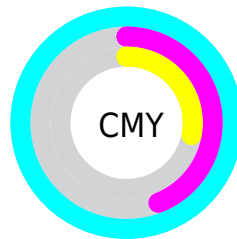
- Red (0%)
- Green (56%)
- Blue (72%)



- Red (0%)
- Yellow (31%)
- Blue (72%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7649, 0.2042, 0.2552 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 22.7649, 0.2042, 0.2552 by changing the saturation by 10% instead.

■ 22.7649, 0.2042,
0.2552

■ 22.7649, 0.2042,
0.2552

■ 266.5152, 0.2619,
0.2968

■ 14.4200, 0.1891,
0.2433

■ 48.0070, 0.2258,
0.2715

■ 8.4134, 0.1694,
0.2272

■ 65.6730, 0.2337,
0.2772

■ 4.3606, 0.1432,
0.2045

■ 87.2148, 0.2404,
0.2820

■ 1.8772, 0.1077,
0.1710

■ 113.0169, 0.2460,
0.2859

■ 0.5346, 0.0202,
0.1166

■ 143.4635, 0.2508,
0.2893

■ 0.0000, 0.0000,
0.0000

■ 178.9392, 0.2550,

0.2922

219.8283, 0.2586,
0.2947

■ 22.7649, 0.2042,
0.2552

■ 22.7649, 0.2042,
0.2552

■ 22.7677, 0.2042,
0.2552

■ 24.1410, 0.2083,
0.2633

■ 25.6825, 0.2139,
0.2715

■ 27.4388, 0.2214,
0.2797

■ 29.4326, 0.2308,
0.2878

■ 31.6835, 0.2419,
0.2957

■ 34.2087, 0.2544,
0.3033

■ 37.0235, 0.2681,
0.3105

■ 40.1422, 0.2825,
0.3172

■ 43.5780, 0.2975,
0.3234

Harmonies

Analogous

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



22.7649, 0.2093, 0.3000



22.7649, 0.2042, 0.2552



22.7649, 0.2238, 0.2345

Triad

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



22.7649, 0.2042, 0.2552



22.7649, 0.3874, 0.2949



22.7649, 0.3509, 0.4419

Complementary

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



22.7649, 0.2042, 0.2552



11.6490, 0.6130, 0.3515

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.



22.7649, 0.4037, 0.4265



22.7649, 0.2042, 0.2552



22.7649, 0.4283, 0.3404

Square

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



22.7649, 0.2042, 0.2552



22.7649, 0.3260, 0.2582



22.7649, 0.4334, 0.3875



22.7649, 0.2907, 0.4187

Rectangle

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



22.7649, 0.2042, 0.2552



22.7649, 0.2499, 0.2336



22.7649, 0.4334, 0.3875



22.7649, 0.3701, 0.4405

Sweetspot

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



22.7677, 0.2042, 0.2552



66.0600, 0.2674, 0.3101



34.0106, 0.2936, 0.5770



14.1107, 0.2615, 0.3072



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.7677, 0.2042, 0.2552



40.4253, 0.2039, 0.2539



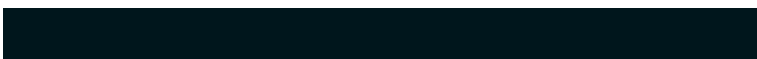
5.8603, 0.1600, 0.0960



9.8603, 0.2985, 0.3238



15.9922, 0.2045, 0.2562



0.6491, 0.2103, 0.2771

Inverse Universe

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



12.0185, 0.3871, 0.1906



21.4932, 0.3884, 0.1913



26.3347, 0.4800, 0.4570



9.1274, 0.3171, 0.3114



8.3968, 0.3861, 0.1901



0.3046, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 22.7649, 0.2042, 0.2552 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 22.7649, 0.2042, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

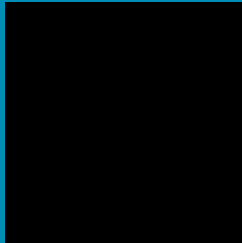
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7649, 0.2042, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 22.7649, 0.2042, 0.2552.

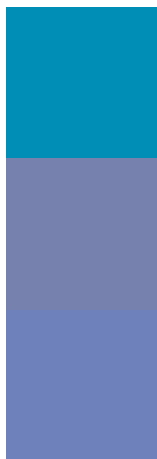


This preview shows how white text looks on a background with the Yxy color 22.7649, 0.2042, 0.2552.

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

22.7649, 0.2042, 0.2552

Protanopia

22.5692, 0.2595, 0.2561

Deuteranopia

22.5607, 0.2429, 0.2367



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



Original Color

22.7649, 0.2042, 0.2552



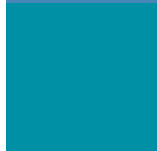
Protanomaly

21.7204, 0.2255, 0.2530



Deuteranomaly

21.8551, 0.2183, 0.2409



Tritanomaly

22.6997, 0.2130, 0.2869

Monochromacy



Original Color

22.7649, 0.2042, 0.2552



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

15.8086, 0.2430, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7649, 0.2042, 0.2552 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, 183)` looks like.

```
.text, #text, p{  
  color:rgb(0, 142, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 183) }
```

Border

The CSS property to change the border of an element to Yxy 22.7649, 0.2042, 0.2552 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, 183) }
```

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

```
.border{ border-color:rgb(0, 142, 183) }
```

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, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7649, 0.2042, 0.2552 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, 183) }
```

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

```
.background{ background-color: rgb(0, 142,  
183) }
```

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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