

Converting Colors

$Yxy(21.2560, 0.1937, 0.2554)$

Have a look what the booklet for
Yxy(21.2560, 0.1937, 0.2554)
contains.

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Color

Yxy(22.0108, 0.2049, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	018CB3
RGB	1, 140, 179
RGB Percent	0%, 55%, 70%
CMY	0.9975, 0.4510, 0.2980
CMYK	1.00, 0.22, 0.00, 0.30
HSL	193°, 99%, 35%
HSV	193°, 100%, 70%
XYZ	17.5214, 22.0108, 45.9798
YIQ	102.8850, -95.3630, -17.3390

Conversions

Conversions Part 2

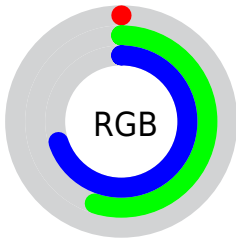
Format	Color
RYB	1, 79, 179
Decimal	101555
CIELab	54.04, -17.33, -29.29
CIELCh	54, 34.033, 239.397
Yxy	22.0108, 0.2049, 0.2574
Android (android.graphics.Color)	4278291635 (0xFF018CB3)
YUV	102.8850, 37.5247, -89.3531
Hunter-Lab	46.9157, -15.4387, -25.2664

Details

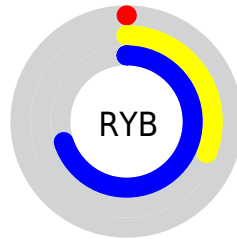
The Yxy color **22.0108, 0.2049, 0.2574** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.0819, 0.6129, 0.3511**, and the grayscale version is **13.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9614, 0.2269, 0.2739**, and **8.8187, 0.1990, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **21.9667, 0.2048, 0.2571**, and if you desaturate by 10%, it is **23.3063, 0.2090, 0.2653**.

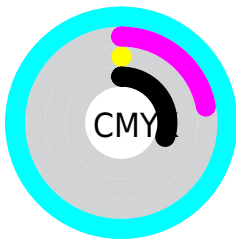
Distribution



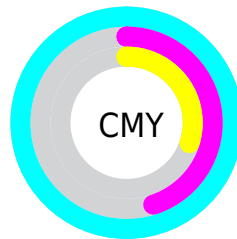
- Red (0%)
- Green (55%)
- Blue (70%)



- Red (0%)
- Yellow (31%)
- Blue (70%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0108, 0.2049, 0.2574 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 22.0108, 0.2049, 0.2574 by changing the saturation by 10% instead.

22.0108, 0.2049,
0.2574

22.0108, 0.2049,
0.2574

262.6027, 0.2625,
0.2981

13.8648, 0.1896,
0.2456

46.7638, 0.2266,
0.2734

8.0267, 0.1697,
0.2295

64.1397, 0.2345,
0.2791

4.1120, 0.1430,
0.2067

85.3610, 0.2411,
0.2837

1.7364, 0.1066,
0.1725

110.8121, 0.2467,
0.2875

0.4471, 0.0005,
0.1120

140.8775, 0.2515,
0.2908

0.0000, 0.0000,
0.0000

175.9414, 0.2557,

0.2936

216.3883, 0.2593,
0.2960

■ 22.0108, 0.2049,
0.2574

■ 22.0108, 0.2049,
0.2574

■ 21.9667, 0.2048,
0.2571

■ 23.3063, 0.2090,
0.2653

■ 24.7616, 0.2146,
0.2733

■ 26.4201, 0.2221,
0.2812

■ 28.3031, 0.2315,
0.2891

■ 30.4289, 0.2426,
0.2968

■ 32.8139, 0.2551,
0.3042

■ 35.4724, 0.2687,
0.3112

■ 38.4179, 0.2831,
0.3177

■ 41.6627, 0.2981,
0.3237

Harmonies

Analogous

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



22.0108, 0.2110, 0.3027



22.0108, 0.2049, 0.2574



22.0108, 0.2234, 0.2358

Triad

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



22.0108, 0.2049, 0.2574



22.0108, 0.3842, 0.2934



22.0108, 0.3532, 0.4408

Complementary

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



22.0108, 0.2049, 0.2574



11.0819, 0.6129, 0.3511

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.



22.0108, 0.4047, 0.4242



22.0108, 0.2049, 0.2574



22.0108, 0.4260, 0.3384

Square

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



22.0108, 0.2049, 0.2574



22.0108, 0.3232, 0.2575



22.0108, 0.4327, 0.3851



22.0108, 0.2935, 0.4195

Rectangle

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



22.0108, 0.2049, 0.2574



22.0108, 0.2486, 0.2342



22.0108, 0.4327, 0.3851



22.0108, 0.3720, 0.4389

Sweetspot

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



22.0116, 0.2049, 0.2574



63.0883, 0.2675, 0.3106



32.3983, 0.2935, 0.5762



13.5281, 0.2617, 0.3077



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.0116, 0.2049, 0.2574



38.9903, 0.2044, 0.2558



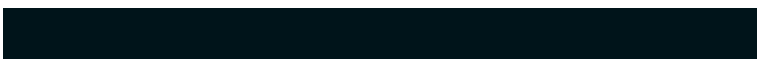
5.6426, 0.1604, 0.0969



9.3098, 0.2986, 0.3239



15.6188, 0.2050, 0.2581



0.5699, 0.2111, 0.2800

Inverse Universe

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



11.4923, 0.3849, 0.1896



20.5118, 0.3865, 0.1903



25.1491, 0.4795, 0.4572



8.6143, 0.3170, 0.3114



8.1169, 0.3843, 0.1891



0.2633, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 22.0108, 0.2049, 0.2574 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 22.0108, 0.2049, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

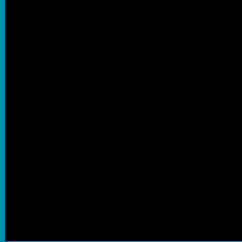
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0108, 0.2049, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 22.0108, 0.2049, 0.2574.

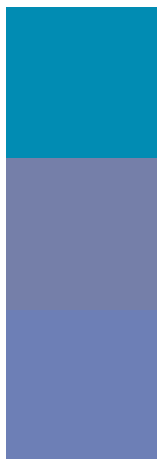


This preview shows how white text looks on a background with the Yxy color 22.0108, 0.2049, 0.2574.

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

22.0173, 0.2050, 0.2575

Protanopia

21.8252, 0.2614, 0.2583

Deuteranopia

21.8074, 0.2443, 0.2385



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



Original Color

22.0173, 0.2050, 0.2575

Protanomaly

21.0155, 0.2271, 0.2553

Deuteranomaly

21.1408, 0.2196, 0.2429

Tritanomaly

21.9903, 0.2134, 0.2882

Monochromacy



Original Color

22.0173, 0.2050, 0.2575

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.2877, 0.2438, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0108, 0.2049, 0.2574 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(1, 140, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 179)  
}
```

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(1, 140, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 179) }
```

Border

The CSS property to change the border of an element to Yxy 22.0108, 0.2049, 0.2574 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(1, 140, 179) }
```

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

```
.border{ border-color:rgb(1, 140, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 140, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 140,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0108, 0.2049, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 140, 179) }
```

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

```
.background{ background-color: rgb(1, 140,  
179) }
```

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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