

Converting Colors

$Y_{xy}(22.7596, 0.1924, 0.2126)$

Have a look what the booklet for
Yxy(22.7596, 0.1924, 0.2126)
contains.

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Color

Yxy(22.7804, 0.1925, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	008AD1
RGB	0, 138, 209
RGB Percent	0%, 54%, 82%
CMY	0.9989, 0.4588, 0.1805
CMYK	1.00, 0.34, 0.00, 0.18
HSL	200°, 100%, 41%
HSV	200°, 100%, 82%
XYZ	20.5976, 22.7804, 63.6225
YIQ	104.8320, -105.0390, -7.1750

Conversions

Conversions Part 2

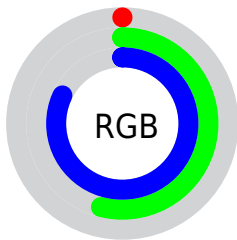
Format	Color
R _{YB}	0, 83, 209
Decimal	35537
CIE _{Lab}	54.85, -5.04, -45.06
CIE _{LCh}	55, 45.338, 263.617
Y _{xy}	22.7804, 0.1925, 0.2129
Android (android.graphics.Color)	4278225617 (0xFF008AD1)
YUV	104.8320, 51.3548, -91.9377
Hunter-Lab	47.7288, -6.4929, -45.6234

Details

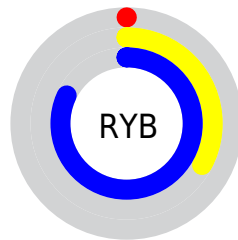
The Yxy color **22.7804, 0.1925, 0.2129** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.0934, 0.5871, 0.3719**, and the grayscale version is **13.9816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1909, 0.2200, 0.2475**, and **9.4779, 0.1852, 0.1866** is the 20% darker color. If you saturate the color by 10%, you get **22.7525, 0.1924, 0.2127**, and if you desaturate by 10%, it is **25.0475, 0.1979, 0.2257**.

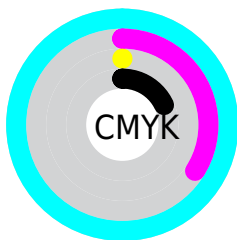
Distribution



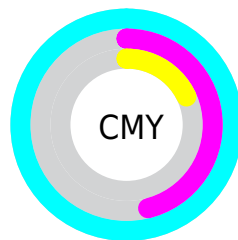
- Red (0%)
- Green (54%)
- Blue (82%)



- Red (0%)
- Yellow (33%)
- Blue (82%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7804, 0.1925, 0.2129 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 22.7804, 0.1925, 0.2129 by changing the saturation by 10% instead.

■ 22.7804, 0.1925,
0.2129

■ 22.7804, 0.1925,
0.2129

■ 266.5951, 0.2554,
0.2747

■ 14.4314, 0.1766,
0.1970

■ 48.0325, 0.2157,
0.2359

■ 8.4213, 0.1565,
0.1765

■ 65.7044, 0.2243,
0.2444

■ 4.3657, 0.1306,
0.1499

■ 87.2528, 0.2316,
0.2515

■ 1.8802, 0.0972,
0.1148

■ 113.0620, 0.2378,
0.2576

■ 0.5364, 0.0474,
0.0658

■ 143.5164, 0.2431,
0.2628

■ 0.0000, 0.0000,
0.0000

179.0005, 0.2478,

0.2673

219.8986, 0.2518,
0.2712

■ 22.7804, 0.1925,
0.2129

■ 22.7804, 0.1925,
0.2129

■ 22.7525, 0.1924,
0.2127

■ 25.0475, 0.1979,
0.2257

■ 27.6227, 0.2050,
0.2387

■ 30.5659, 0.2142,
0.2517

■ 33.9107, 0.2253,
0.2647

■ 37.6860, 0.2380,
0.2773

■ 41.9171, 0.2520,
0.2893

■ 46.6271, 0.2668,
0.3005

■ 51.8372, 0.2821,
0.3110

■ 57.5670, 0.2976,
0.3205

Harmonies

Analogous

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



22.7804, 0.1755, 0.2435



22.7804, 0.1925, 0.2129



22.7804, 0.2379, 0.2105

Triad

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



22.7804, 0.1925, 0.2129



22.7804, 0.4546, 0.3262



22.7804, 0.2996, 0.4619

Complementary

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



22.7804, 0.1925, 0.2129



18.0934, 0.5871, 0.3719

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.



22.7804, 0.3759, 0.4754



22.7804, 0.1925, 0.2129



22.7804, 0.4710, 0.3847

Square

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



22.7804, 0.1925, 0.2129



22.7804, 0.3918, 0.2728



22.7804, 0.4394, 0.4401



22.7804, 0.2310, 0.3924

Rectangle

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



22.7804, 0.1925, 0.2129



22.7804, 0.2832, 0.2224



22.7804, 0.4394, 0.4401



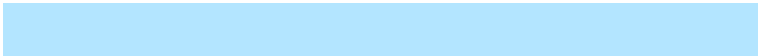
22.7804, 0.3253, 0.4732

Sweetspot

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



22.7811, 0.1925, 0.2129



72.7724, 0.2661, 0.3000



46.0353, 0.2868, 0.5524



14.8851, 0.2597, 0.2953



0.0000, 0.0000, 0.0000



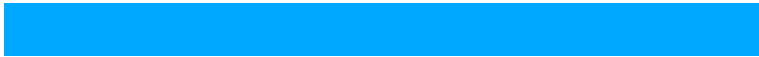
21.4041, 0.3127, 0.3290

Same Dimension

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



22.7811, 0.1925, 0.2129



35.3252, 0.1920, 0.2113



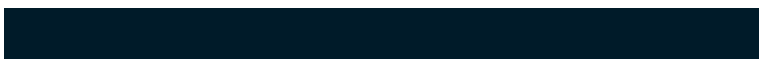
5.8101, 0.1539, 0.0738



12.7016, 0.2983, 0.3209



14.2200, 0.1929, 0.2146



0.9391, 0.1995, 0.2380

Inverse Universe

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



15.3940, 0.4309, 0.2148



24.0972, 0.4327, 0.2157



43.9029, 0.4524, 0.4789



11.9379, 0.3189, 0.3138



9.5068, 0.4291, 0.2137



0.5461, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 22.7804, 0.1925, 0.2129 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 22.7804, 0.1925, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

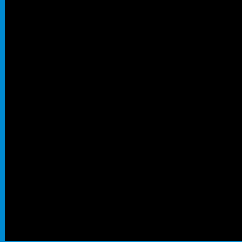
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7804, 0.1925, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 22.7804, 0.1925, 0.2129.



This preview shows how white text looks on a background with the Yxy color 22.7804, 0.1925, 0.2129.

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

22.7804, 0.1925, 0.2129

Protanopia

22.6117, 0.2298, 0.2167

Deuteranopia

22.7747, 0.2112, 0.2052



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



Original Color

22.7804, 0.1925, 0.2129

Protanomaly

22.0076, 0.2073, 0.2137

Deuteranomaly

22.4602, 0.1998, 0.2075

Tritanomaly

22.4411, 0.2077, 0.2677

Monochromacy



Original Color

22.7804, 0.1925, 0.2129

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.8990, 0.2356, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7804, 0.1925, 0.2129 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, 138, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 209)  
}
```

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, 138, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 209) }
```

Border

The CSS property to change the border of an element to Yxy 22.7804, 0.1925, 0.2129 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, 138, 209) }
```

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

```
.border{ border-color:rgb(0, 138, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7804, 0.1925, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 209) }
```

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

```
.background{ background-color: rgb(0, 138,  
209) }
```

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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