

Converting Colors

$Y_{xy}(20.4942, 0.1022, 0.1995)$

Have a look what the booklet for
Yxy(20.4942, 0.1022, 0.1995)
contains.

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Color

Yxy(27.6769, 0.1951, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	0098DD
RGB	0, 152, 221
RGB Percent	0%, 60%, 87%
CMY	1.0000, 0.4039, 0.1332
CMYK	1.00, 0.31, 0.00, 0.13
HSL	199°, 100%, 43%
HSV	199°, 100%, 87%
XYZ	24.2795, 27.6769, 72.4901
YIQ	114.4180, -112.7410, -10.7650

Conversions

Conversions Part 2

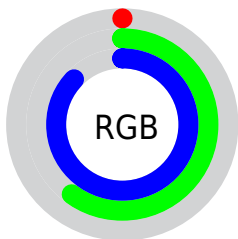
Format	Color
RYB	0, 90, 221
Decimal	39133
CIELab	59.60, -8.59, -44.30
CIELCh	60, 45.125, 259.024
Yxy	27.6769, 0.1951, 0.2224
Android (android.graphics.Color)	4278229213 (0xFF0098DD)
YUV	114.4180, 52.5449, -100.3446
Hunter-Lab	52.6088, -9.6859, -44.8699

Details

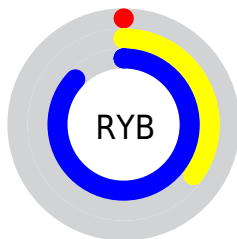
The Yxy color **27.6769, 0.1951, 0.2224** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.6367, 0.5951, 0.3657**, and the grayscale version is **16.8254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3057, 0.2260, 0.2678**, and **12.0240, 0.1883, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **27.6796, 0.1951, 0.2224**, and if you desaturate by 10%, it is **30.1577, 0.2001, 0.2341**.

Distribution



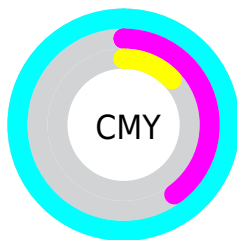
- Red (0%)
- Green (60%)
- Blue (87%)



- Red (0%)
- Yellow (35%)
- Blue (87%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6769, 0.1951, 0.2224 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 27.6769, 0.1951, 0.2224 by changing the saturation by 10% instead.

■ 27.6769, 0.1951,
0.2224

■ 27.6769, 0.1951,
0.2224

■ 290.9198, 0.2550,
0.2782

■ 18.0822, 0.1805,
0.2083

■ 55.9682, 0.2168,
0.2429

■ 11.0090, 0.1621,
0.1903

■ 75.4336, 0.2250,
0.2506

■ 6.0729, 0.1387,
0.1669

■ 98.9581, 0.2319,
0.2570

■ 2.8895, 0.1087,
0.1359

■ 126.9260, 0.2378,
0.2625

■ 1.0743, 0.0709,
0.0952

■ 159.7217, 0.2430,
0.2673

■ 0.0000, 0.0000,
0.0000

197.7296, 0.2475,

0.2714

241.3342, 0.2514,
0.2750

■ 27.6769, 0.1951,
0.2224

■ 27.6769, 0.1951,
0.2224

■ 27.6796, 0.1951,
0.2224

■ 30.1577, 0.2001,
0.2341

■ 32.9651, 0.2067,
0.2460

■ 36.1677, 0.2155,
0.2580

■ 39.8039, 0.2262,
0.2698

■ 43.9063, 0.2385,
0.2813

■ 48.5034, 0.2521,
0.2923

■ 53.6213, 0.2667,
0.3027

■ 59.2835, 0.2819,
0.3123

■ 65.5123, 0.2973,
0.3211

Harmonies

Analogous

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



27.6769, 0.1832, 0.2564



27.6769, 0.1951, 0.2224



27.6769, 0.2343, 0.2159

Triad

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



27.6769, 0.1951, 0.2224



27.6769, 0.4385, 0.3190



27.6769, 0.3123, 0.4576

Complementary

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



27.6769, 0.1951, 0.2224



19.6367, 0.5951, 0.3657

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.



27.6769, 0.3833, 0.4632



27.6769, 0.1951, 0.2224



27.6769, 0.4616, 0.3742

Square

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



27.6769, 0.1951, 0.2224



27.6769, 0.3753, 0.2694



27.6769, 0.4390, 0.4272



27.6769, 0.2452, 0.3999

Rectangle

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



27.6769, 0.1951, 0.2224



27.6769, 0.2747, 0.2249



27.6769, 0.4390, 0.4272



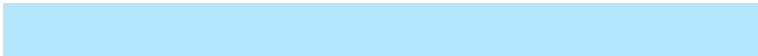
27.6769, 0.3365, 0.4655

Sweetspot

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



27.6796, 0.1951, 0.2224



73.9571, 0.2663, 0.3024



52.1262, 0.2893, 0.5615



15.1685, 0.2601, 0.2981



0.0000, 0.0000, 0.0000



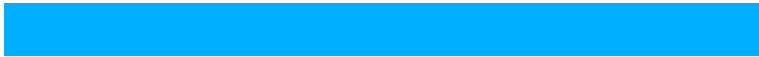
21.4041, 0.3127, 0.3290

Same Dimension

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



27.6796, 0.1951, 0.2224



38.0217, 0.1949, 0.2215



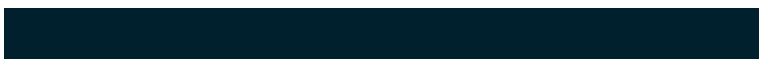
7.0389, 0.1551, 0.0782



14.1078, 0.2982, 0.3215



16.2852, 0.1956, 0.2242



1.2062, 0.2009, 0.2433

Inverse Universe

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



17.6441, 0.4207, 0.2091



24.3695, 0.4216, 0.2096



46.7521, 0.4603, 0.4728



13.2020, 0.3185, 0.3131



10.2678, 0.4187, 0.2080



0.6805, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 27.6769, 0.1951, 0.2224 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 27.6769, 0.1951, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

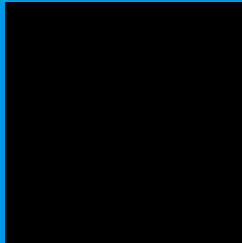
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

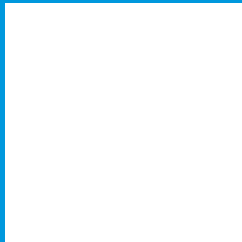
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6769, 0.1951, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 27.6769, 0.1951, 0.2224.

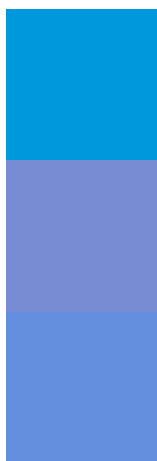


This preview shows how white text looks on a background with the Yxy color 27.6769, 0.1951, 0.2224.

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

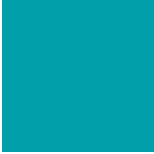
27.6769, 0.1951, 0.2224

Protanopia

27.3813, 0.2365, 0.2253

Deuteranopia

27.6820, 0.2189, 0.2134



Tritanopia

27.6986, 0.2191, 0.3088

Trichromacy



Original Color

27.6769, 0.1951, 0.2224



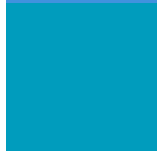
Protanomaly

26.3893, 0.2108, 0.2205



Deuteranomaly

26.9217, 0.2039, 0.2146



Tritanomaly

27.4511, 0.2089, 0.2722

Monochromacy



Original Color

27.6769, 0.1951, 0.2224



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.1547, 0.2373, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6769, 0.1951, 0.2224 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, 152, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 221)  
}
```

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, 152, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 221) }
```

Border

The CSS property to change the border of an element to Yxy 27.6769, 0.1951, 0.2224 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, 152, 221) }
```

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

```
.border{ border-color:rgb(0, 152, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6769, 0.1951, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 221) }
```

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

```
.background{ background-color: rgb(0, 152,  
221) }
```

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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