

Converting Colors

$Yxy(19.4020, 0.1464, 0.2027)$

Have a look what the booklet for
Yxy(19.4020, 0.1464, 0.2027)
contains.

Yxy(22.6820, 0.1931, 0.2153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.6820, 0.1931, 0.2153)

Conversions

Conversions Part 1

Format	Color
Hex	008ACF
RGB	0, 138, 207
RGB Percent	0%, 54%, 81%
CMY	1.0000, 0.4587, 0.1883
CMYK	1.00, 0.33, 0.00, 0.19
HSL	200°, 100%, 41%
HSV	200°, 100%, 81%
XYZ	20.3432, 22.6820, 62.3255
YIQ	104.6040, -104.3970, -7.7970

Conversions

Conversions Part 2

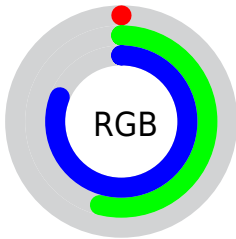
Format	Color
RYB	0, 83, 207
Decimal	35535
CIELab	54.74, -5.84, -44.09
CIELCh	55, 44.474, 262.453
Yxy	22.6820, 0.1931, 0.2153
Android (android.graphics.Color)	4278225615 (0xFF008ACF)
YUV	104.6040, 50.4812, -91.7377
Hunter-Lab	47.6256, -7.0988, -44.2522

Details

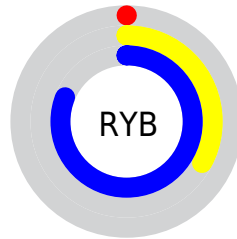
The Yxy color **22.6820, 0.1931, 0.2153** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **17.5146, 0.5891, 0.3704**, and the grayscale version is **13.8993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1909, 0.2200, 0.2475**, and **9.4118, 0.1860, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **22.6866, 0.1932, 0.2153**, and if you desaturate by 10%, it is **24.8852, 0.1984, 0.2278**.

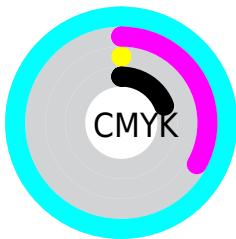
Distribution



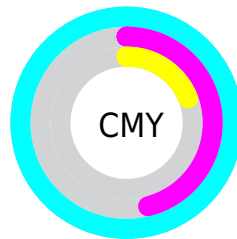
- Red (0%)
- Green (54%)
- Blue (81%)



- Red (0%)
- Yellow (33%)
- Blue (81%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6820, 0.1931, 0.2153 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 22.6820, 0.1931, 0.2153 by changing the saturation by 10% instead.

■ 22.6820, 0.1931,
0.2153

■ 22.6820, 0.1931,
0.2153

■ 266.0875, 0.2558,
0.2761

■ 14.3589, 0.1772,
0.1995

■ 47.8706, 0.2162,
0.2380

■ 8.3707, 0.1570,
0.1792

■ 65.5049, 0.2248,
0.2464

■ 4.3330, 0.1310,
0.1526

■ 87.0118, 0.2321,
0.2534

■ 1.8616, 0.0974,
0.1173

■ 112.7755, 0.2383,
0.2593

■ 0.5251, 0.0456,
0.0672

■ 143.1805, 0.2436,
0.2644

■ 0.0000, 0.0000,
0.0000

178.6113, 0.2482,

0.2688

219.4521, 0.2522,
0.2727

■ 22.6820, 0.1931,
0.2153

■ 22.6820, 0.1931,
0.2153

■ 22.6866, 0.1932,
0.2153

■ 24.8852, 0.1984,
0.2278

■ 27.3791, 0.2055,
0.2405

■ 30.2273, 0.2145,
0.2533

■ 33.4625, 0.2255,
0.2660

■ 37.1128, 0.2381,
0.2782

■ 41.2029, 0.2520,
0.2900

■ 45.7552, 0.2667,
0.3010

■ 50.7902, 0.2819,
0.3112

■ 56.3272, 0.2974,
0.3206

Harmonies

Analogous

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



22.6820, 0.1774, 0.2468



22.6820, 0.1931, 0.2153



22.6820, 0.2369, 0.2118

Triad

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



22.6820, 0.1931, 0.2153



22.6820, 0.4505, 0.3243



22.6820, 0.3030, 0.4609

Complementary

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



22.6820, 0.1931, 0.2153



17.5146, 0.5891, 0.3704

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.



22.6820, 0.3779, 0.4722



22.6820, 0.1931, 0.2153



22.6820, 0.4687, 0.3819

Square

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



22.6820, 0.1931, 0.2153



22.6820, 0.3875, 0.2719



22.6820, 0.4394, 0.4368



22.6820, 0.2347, 0.3945

Rectangle

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



22.6820, 0.1931, 0.2153



22.6820, 0.2809, 0.2230



22.6820, 0.4394, 0.4368



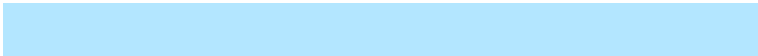
22.6820, 0.3283, 0.4713

Sweetspot

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



22.6866, 0.1932, 0.2153



73.0663, 0.2661, 0.3006



45.0050, 0.2880, 0.5568



14.9554, 0.2598, 0.2960



0.0000, 0.0000, 0.0000



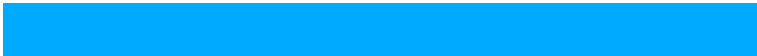
21.4041, 0.3127, 0.3290

Same Dimension

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



22.6866, 0.1932, 0.2153



35.9837, 0.1927, 0.2139



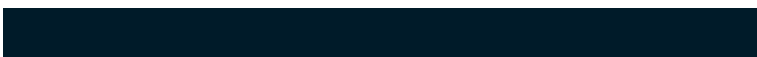
5.8869, 0.1545, 0.0761



12.7157, 0.2983, 0.3211



14.4764, 0.1936, 0.2170



0.9521, 0.2000, 0.2400

Inverse Universe

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



15.0984, 0.4283, 0.2133



24.1637, 0.4299, 0.2142



41.6520, 0.4562, 0.4760



11.9393, 0.3188, 0.3136



9.5327, 0.4264, 0.2123



0.5474, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 22.6820, 0.1931, 0.2153 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 22.6820, 0.1931, 0.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

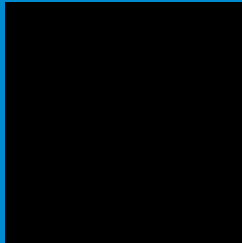
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6820, 0.1931, 0.2153

Background



This preview shows how black text looks on a background with the Yxy color 22.6820, 0.1931, 0.2153.

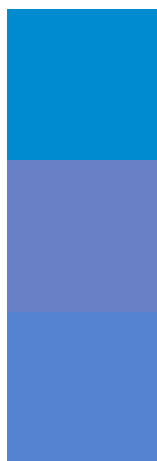


This preview shows how white text looks on a background with the Yxy color 22.6820, 0.1931, 0.2153.

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

22.6820, 0.1931, 0.2153

Protanopia

22.5797, 0.2317, 0.2193

Deuteranopia

22.7673, 0.2132, 0.2077



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



Original Color

22.6820, 0.1931, 0.2153

Protanomaly

21.9129, 0.2082, 0.2161

Deuteranomaly

22.3885, 0.2009, 0.2099

Tritanomaly

22.4411, 0.2077, 0.2677

Monochromacy



Original Color

22.6820, 0.1931, 0.2153

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.8689, 0.2363, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6820, 0.1931, 0.2153 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 207) }
```

Border

The CSS property to change the border of an element to Yxy 22.6820, 0.1931, 0.2153 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, 207) }
```

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

```
.border{ border-color:rgb(0, 138, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 138, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 138, 207); box-shadow:4px 4px 4px 4px rgb(0, 138, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6820, 0.1931, 0.2153 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, 207) }
```

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

```
.background{ background-color: rgb(0, 138,  
207) }
```

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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