

Converting Colors

$Y_{xy}(22.7366, 0.1801, 0.2206)$

Have a look what the booklet for
Yxy(22.7366, 0.1801, 0.2206)
contains.

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Color

$Y_{xy}(23.8022, 0.1954, 0.2235)$

Conversions

Conversions Part 1

Format	Color
Hex	008ECE
RGB	0, 142, 206
RGB Percent	0%, 56%, 81%
CMY	1.0000, 0.4431, 0.1922
CMYK	1.00, 0.31, 0.00, 0.19
HSL	199°, 100%, 40%
HSV	199°, 100%, 81%
XYZ	20.8096, 23.8022, 61.8857
YIQ	106.8380, -105.1760, -10.2000

Conversions

Conversions Part 2

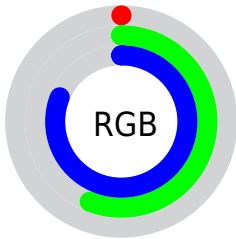
Format	Color
RYB	0, 84, 206
Decimal	36558
CIELab	55.89, -8.51, -41.72
CIELCh	56, 42.581, 258.469
Yxy	23.8022, 0.1954, 0.2235
Android (android.graphics.Color)	4278226638 (0xFF008ECE)
YUV	106.8380, 48.8869, -93.6969
Hunter-Lab	48.7875, -9.2415, -41.0566

Details

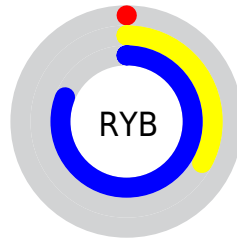
The Yxy color **23.8022, 0.1954, 0.2235** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **16.7859, 0.5948, 0.3659**, and the grayscale version is **14.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9595, 0.2212, 0.2529**, and **9.8887, 0.1883, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **23.8050, 0.1954, 0.2235**, and if you desaturate by 10%, it is **25.9192, 0.2004, 0.2351**.

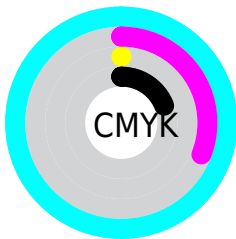
Distribution



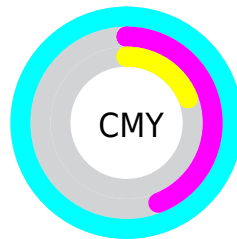
- Red (0%)
- Green (56%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8022, 0.1954, 0.2235 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 23.8022, 0.1954, 0.2235 by changing the saturation by 10% instead.

■ 23.8022, 0.1954,
0.2235

■ 23.8022, 0.1954,
0.2235

■ 271.8189, 0.2566,
0.2801

■ 15.1870, 0.1799,
0.2086

■ 49.7072, 0.2179,
0.2447

■ 8.9507, 0.1603,
0.1894

■ 67.7658, 0.2263,
0.2525

■ 4.7090, 0.1348,
0.1640

■ 89.7409, 0.2334,
0.2591

■ 2.0776, 0.1018,
0.1297

■ 116.0170, 0.2394,
0.2646

■ 0.6520, 0.0522,
0.0826

■ 146.9785, 0.2446,
0.2693

■ 0.0000, 0.0000,
0.0000

183.0097, 0.2492,

0.2734

224.4951, 0.2531,
0.2770

■ 23.8022, 0.1954,
0.2235

■ 23.8022, 0.1954,
0.2235

■ 23.8050, 0.1954,
0.2235

■ 25.9192, 0.2004,
0.2351

■ 28.3099, 0.2071,
0.2469

■ 31.0351, 0.2159,
0.2587

■ 34.1268, 0.2265,
0.2705

■ 37.6122, 0.2388,
0.2818

■ 41.5155, 0.2524,
0.2927

■ 45.8583, 0.2669,
0.3029

■ 50.6605, 0.2820,
0.3124

■ 55.9409, 0.2974,
0.3211

Harmonies

Analogous

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



23.8022, 0.1841, 0.2579



23.8022, 0.1954, 0.2235



23.8022, 0.2339, 0.2166

Triad

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



23.8022, 0.1954, 0.2235



23.8022, 0.4367, 0.3181



23.8022, 0.3137, 0.4571

Complementary

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



23.8022, 0.1954, 0.2235



16.7859, 0.5948, 0.3659

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.



23.8022, 0.3841, 0.4618



23.8022, 0.1954, 0.2235



23.8022, 0.4605, 0.3730

Square

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



23.8022, 0.1954, 0.2235



23.8022, 0.3735, 0.2690



23.8022, 0.4389, 0.4257



23.8022, 0.2468, 0.4007

Rectangle

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



23.8022, 0.1954, 0.2235



23.8022, 0.2738, 0.2252



23.8022, 0.4389, 0.4257



23.8022, 0.3378, 0.4646

Sweetspot

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



23.8050, 0.1954, 0.2235



74.0295, 0.2664, 0.3026



44.4853, 0.2891, 0.5608



15.1859, 0.2601, 0.2983



0.0000, 0.0000, 0.0000



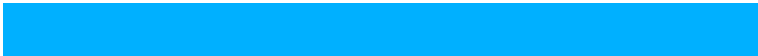
21.4041, 0.3127, 0.3290

Same Dimension

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



23.8050, 0.1954, 0.2235



38.1901, 0.1950, 0.2221



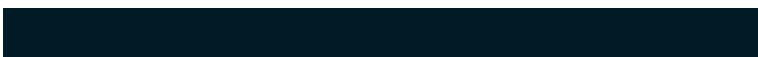
6.0556, 0.1552, 0.0787



12.1162, 0.2983, 0.3216



14.8388, 0.1959, 0.2252



0.8968, 0.2022, 0.2479

Inverse Universe

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



15.0743, 0.4195, 0.2085



24.3865, 0.4210, 0.2093



39.9574, 0.4600, 0.4729



11.3421, 0.3184, 0.3132



9.3010, 0.4177, 0.2075



0.4931, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 23.8022, 0.1954, 0.2235 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 23.8022, 0.1954, 0.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

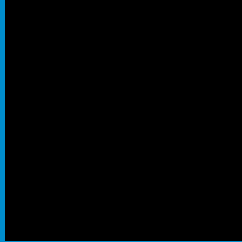
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8022, 0.1954, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 23.8022, 0.1954, 0.2235.

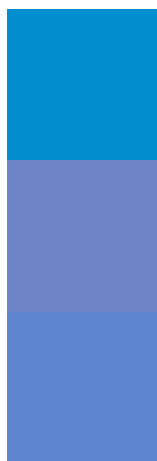


This preview shows how white text looks on a background with the Yxy color 23.8022, 0.1954, 0.2235.

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

23.8022, 0.1954, 0.2235

Protanopia

23.6433, 0.2369, 0.2263

Deuteranopia

23.7088, 0.2196, 0.2135



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



Original Color

23.8022, 0.1954, 0.2235

Protanomaly

22.8377, 0.2117, 0.2229

Deuteranomaly

23.0740, 0.2043, 0.2150

Tritanomaly

23.6924, 0.2094, 0.2739

Monochromacy



Original Color

23.8022, 0.1954, 0.2235

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.6451, 0.2376, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8022, 0.1954, 0.2235 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 206) }
```

Border

The CSS property to change the border of an element to Yxy 23.8022, 0.1954, 0.2235 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, 206) }
```

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

```
.border{ border-color:rgb(0, 142, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8022, 0.1954, 0.2235 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, 206) }
```

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

```
.background{ background-color: rgb(0, 142,  
206) }
```

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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