

Converting Colors

$Y_{xy}(22.9512, 0.1953, 0.2197)$

Have a look what the booklet for
Yxy(22.9512, 0.1953, 0.2197)
contains.

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Color

Yxy(22.9512, 0.1953, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	0C8BCD
RGB	12, 139, 205
RGB Percent	5%, 55%, 80%
CMY	0.9534, 0.4549, 0.1961
CMYK	0.94, 0.32, 0.00, 0.20
HSL	201°, 89%, 43%
HSV	201°, 94%, 80%
XYZ	20.4022, 22.9512, 61.1127
YIQ	108.5510, -96.8780, -6.3980

Conversions

Conversions Part 2

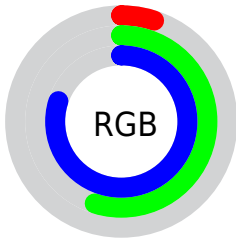
Format	Color
RYB	12, 89, 205
Decimal	822221
CIELab	55.02, -6.75, -42.52
CIELCh	55, 43.057, 260.975
Yxy	22.9512, 0.1953, 0.2197
Android (android.graphics.Color)	4279012301 (0xFF0C8BCD)
YUV	108.5510, 47.5494, -84.6752
Hunter-Lab	47.9074, -7.8206, -42.0976

Details

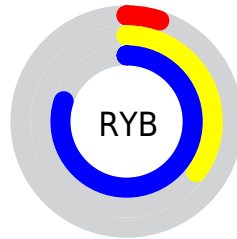
The Yxy color **22.9512, 0.1953, 0.2197** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.4390, 0.5726, 0.3776**, and the grayscale version is **15.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6860, 0.2207, 0.2490**, and **9.3468, 0.1868, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **21.7190, 0.1923, 0.2123**, and if you desaturate by 10%, it is **25.2825, 0.2016, 0.2326**.

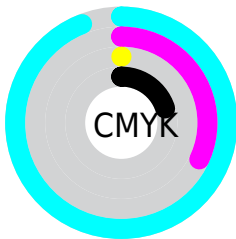
Distribution



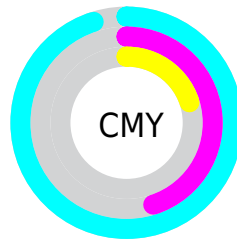
- Red (5%)
- Green (55%)
- Blue (80%)



- Red (5%)
- Yellow (35%)
- Blue (80%)



- Cyan (94%)
- Magenta (32%)
- Yellow (0%)
- Black (20%)



- Cyan (95%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9512, 0.1953, 0.2197 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 22.9512, 0.1953, 0.2197 by changing the saturation by 10% instead.

■ 22.9512, 0.1953,
0.2197

■ 22.9512, 0.1953,
0.2197

267.4742, 0.2569,
0.2783

■ 14.5575, 0.1796,
0.2043

■ 48.3132, 0.2181,
0.2417

■ 8.5094, 0.1597,
0.1845

■ 66.0502, 0.2265,
0.2498

■ 4.4226, 0.1339,
0.1583

■ 87.6705, 0.2336,
0.2565

■ 1.9127, 0.1003,
0.1233

■ 113.5584, 0.2397,
0.2622

■ 0.5560, 0.0480,
0.0734

■ 144.0984, 0.2449,
0.2671

■ 0.0000, 0.0000,
0.0000

179.6747, 0.2494,

0.2714

220.6719, 0.2534,
0.2751

■ 22.9512, 0.1953,
0.2197

■ 22.9512, 0.1953,
0.2197

■ 21.7190, 0.1923,
0.2123

■ 25.2825, 0.2016,
0.2326

■ 27.9500, 0.2100,
0.2458

■ 30.9896, 0.2203,
0.2589

■ 34.4303, 0.2324,
0.2717

■ 38.2978, 0.2458,
0.2840

■ 42.6149, 0.2603,
0.2956

■ 47.4026, 0.2755,
0.3065

■ 52.6804, 0.2909,
0.3164

■ 58.4662, 0.3063,
0.3255

Harmonies

Analogous

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



22.9512, 0.1814, 0.2521



22.9512, 0.1953, 0.2197



22.9512, 0.2367, 0.2149

Triad

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



22.9512, 0.1953, 0.2197



22.9512, 0.4435, 0.3222



22.9512, 0.3073, 0.4575

Complementary

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



22.9512, 0.1953, 0.2197



18.4390, 0.5726, 0.3776

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.



22.9512, 0.3797, 0.4664



22.9512, 0.1953, 0.2197



22.9512, 0.4637, 0.3782

Square

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



22.9512, 0.1953, 0.2197



22.9512, 0.3812, 0.2715



22.9512, 0.4379, 0.4315



22.9512, 0.2403, 0.3960

Rectangle

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



22.9512, 0.1953, 0.2197



22.9512, 0.2786, 0.2250



22.9512, 0.4379, 0.4315



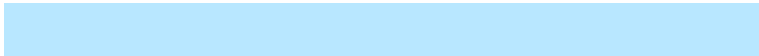
22.9512, 0.3319, 0.4667

Sweetspot

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



22.9519, 0.1953, 0.2197



74.2882, 0.2691, 0.3021



44.2662, 0.2849, 0.5414



15.1771, 0.2625, 0.2973



0.0000, 0.0000, 0.0000



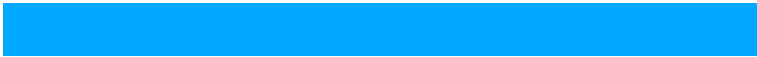
21.4041, 0.3127, 0.3290

Same Dimension

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



22.9519, 0.1953, 0.2197



35.1702, 0.1919, 0.2107



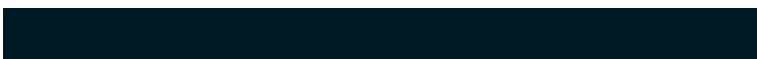
6.2925, 0.1574, 0.0820



12.0562, 0.2983, 0.3209



13.7033, 0.1928, 0.2141



0.8444, 0.1998, 0.2392

Inverse Universe

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



15.1040, 0.4231, 0.2132



24.0816, 0.4333, 0.2161



42.8226, 0.4488, 0.4786



11.3361, 0.3189, 0.3139



9.1863, 0.4296, 0.2140



0.4878, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 22.9512, 0.1953, 0.2197 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 22.9512, 0.1953, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

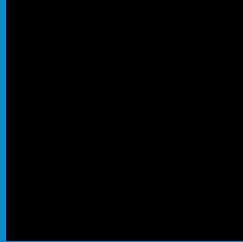
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9512, 0.1953, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 22.9512, 0.1953, 0.2197.

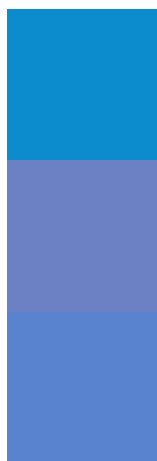


This preview shows how white text looks on a background with the Yxy color 22.9512, 0.1953, 0.2197.

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

22.9512, 0.1953, 0.2197

Protanopia

22.8742, 0.2347, 0.2237

Deuteranopia

22.8614, 0.2164, 0.2106



Tritanopia

22.9581, 0.2192, 0.3091

Trichromacy



Original Color

22.9512, 0.1953, 0.2197

Protanomaly

22.3150, 0.2124, 0.2210

Deuteranomaly

22.4985, 0.2043, 0.2129

Tritanomaly

22.7267, 0.2091, 0.2714

Monochromacy



Original Color

22.9512, 0.1953, 0.2197

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.9024, 0.2415, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9512, 0.1953, 0.2197 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(12, 139, 205)` looks like.

```
.text, #text, p{  
    color:rgb(12, 139, 205)  
}
```

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(12, 139, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 139, 205) }
```

Border

The CSS property to change the border of an element to Yxy 22.9512, 0.1953, 0.2197 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(12, 139, 205) }
```

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

```
.border{ border-color:rgb(12, 139, 205) }
```

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

Here you see how a box with a 4 pixel rgb(12, 139, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 139, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 139, 205);  
box-shadow:4px 4px 4px 4px rgb(12, 139,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9512, 0.1953, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 139, 205) }
```

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

```
.background{ background-color: rgb(12, 139,  
205) }
```

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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