

Converting Colors

$Yxy(22.6348, 0.1986, 0.2351)$

Have a look what the booklet for
Yxy(22.6348, 0.1986, 0.2351)
contains.

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Color

Yxy(22.6512, 0.1988, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	018CC2
RGB	1, 140, 194
RGB Percent	0%, 55%, 76%
CMY	0.9980, 0.4510, 0.2392
CMYK	1.00, 0.28, 0.00, 0.24
HSL	197°, 99%, 38%
HSV	197°, 100%, 76%
XYZ	19.1213, 22.6512, 54.4110
YIQ	104.5950, -100.1780, -12.6740

Conversions

Conversions Part 2

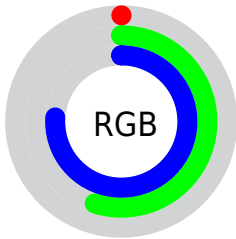
Format	Color
RYP	1, 82, 194
Decimal	101570
CIELab	54.71, -11.82, -36.79
CIElCh	55, 38.645, 252.197
Yxy	22.6512, 0.1988, 0.2355
Android (android.graphics.Color)	4278291650 (0xFF018CC2)
YUV	104.5950, 44.0767, -90.8528
Hunter-Lab	47.5933, -11.5734, -34.4679

Details

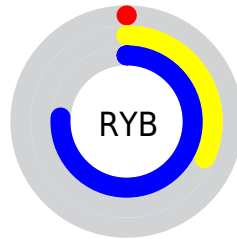
The Yxy color **22.6512, 0.1988, 0.2355** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **14.1612, 0.6010, 0.3607**, and the grayscale version is **13.8684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6464, 0.2211, 0.2543**, and **9.2058, 0.1918, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **22.6066, 0.1987, 0.2352**, and if you desaturate by 10%, it is **24.4186, 0.2035, 0.2458**.

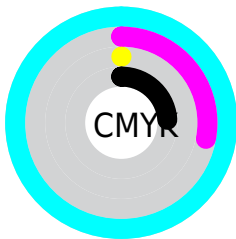
Distribution



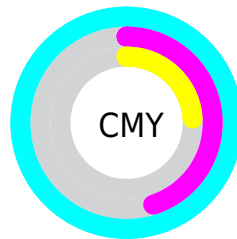
- Red (0%)
- Green (55%)
- Blue (76%)



- Red (0%)
- Yellow (32%)
- Blue (76%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6512, 0.1988, 0.2355 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 22.6512, 0.1988, 0.2355 by changing the saturation by 10% instead.

■ 22.6512, 0.1988,
0.2355

■ 22.6512, 0.1988,
0.2355

■ 265.9284, 0.2590,
0.2869

■ 14.3362, 0.1833,
0.2215

■ 47.8200, 0.2212,
0.2552

■ 8.3548, 0.1633,
0.2029

■ 65.4425, 0.2295,
0.2623

■ 4.3228, 0.1370,
0.1777

■ 86.9363, 0.2364,
0.2681

■ 1.8557, 0.1023,
0.1425

■ 112.6858, 0.2423,
0.2731

■ 0.5216, 0.0350,
0.0882

■ 143.0753, 0.2474,
0.2773

■ 0.0000, 0.0000,
0.0000

■ 178.4894, 0.2517,

0.2810

219.3122, 0.2556,
0.2841

■ 22.6512, 0.1988,
0.2355

■ 22.6512, 0.1988,
0.2355

■ 22.6066, 0.1987,
0.2352

■ 24.4186, 0.2035,
0.2458

■ 26.4095, 0.2099,
0.2563

■ 28.6744, 0.2182,
0.2668

■ 31.2403, 0.2285,
0.2772

■ 34.1302, 0.2403,
0.2873

■ 37.3643, 0.2536,
0.2969

■ 40.9610, 0.2678,
0.3060

■ 44.9372, 0.2826,
0.3144

■ 49.3083, 0.2979,
0.3222

Harmonies

Analogous

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



22.6512, 0.1937, 0.2740



22.6512, 0.1988, 0.2355



22.6512, 0.2299, 0.2234

Triad

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



22.6512, 0.1988, 0.2355



22.6512, 0.4173, 0.3092



22.6512, 0.3285, 0.4514

Complementary

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



22.6512, 0.1988, 0.2355



14.1612, 0.6010, 0.3607

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.



22.6512, 0.3922, 0.4476



22.6512, 0.1988, 0.2355



22.6512, 0.4484, 0.3603

Square

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



22.6512, 0.1988, 0.2355



22.6512, 0.3544, 0.2649



22.6512, 0.4373, 0.4105



22.6512, 0.2639, 0.4085

Rectangle

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



22.6512, 0.1988, 0.2355



22.6512, 0.2642, 0.2284



22.6512, 0.4373, 0.4105



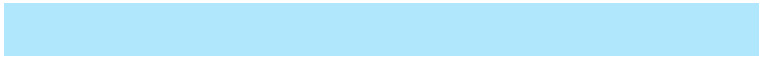
22.6512, 0.3507, 0.4551

Sweetspot

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



22.6520, 0.1988, 0.2355



73.6931, 0.2667, 0.3053



38.8421, 0.2910, 0.5672



15.5110, 0.2605, 0.3015



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.



22.6520, 0.1988, 0.2355



40.4987, 0.1982, 0.2336



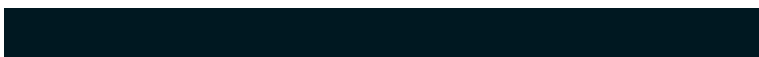
5.8269, 0.1572, 0.0855



10.9376, 0.2984, 0.3224



15.0048, 0.1991, 0.2366



0.7596, 0.2055, 0.2596

Inverse Universe

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



13.3755, 0.4069, 0.2016



24.1556, 0.4088, 0.2026



32.9243, 0.4676, 0.4668



10.1980, 0.3179, 0.3125



8.7970, 0.4058, 0.2009



0.3913, 0.3828, 0.1882

Previews

White Background



This preview shows how the Yxy color 22.6512, 0.1988, 0.2355 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 22.6512, 0.1988, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

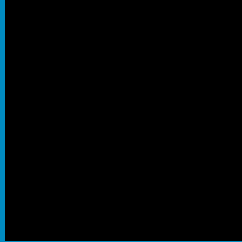
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6512, 0.1988, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 22.6512, 0.1988, 0.2355.

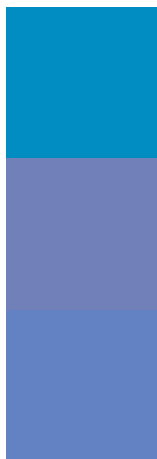


This preview shows how white text looks on a background with the Yxy color 22.6512, 0.1988, 0.2355.

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

22.6577, 0.1989, 0.2356

Protanopia

22.4518, 0.2458, 0.2370

Deuteranopia

22.6034, 0.2285, 0.2237



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



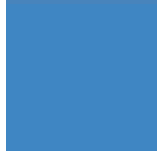
Original Color

22.6577, 0.1989, 0.2356



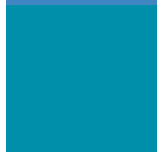
Protanomaly

21.5111, 0.2170, 0.2333



Deuteranomaly

22.0471, 0.2100, 0.2266



Tritanomaly

22.5472, 0.2106, 0.2780

Monochromacy



Original Color

22.6577, 0.1989, 0.2356



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

15.6870, 0.2394, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6512, 0.1988, 0.2355 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(1, 140, 194)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 194)  
}
```

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(1, 140, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 194) }
```

Border

The CSS property to change the border of an element to Yxy 22.6512, 0.1988, 0.2355 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(1, 140, 194) }
```

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

```
.border{ border-color:rgb(1, 140, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 140, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 194);  
box-shadow:4px 4px 4px 4px rgb(1, 140,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6512, 0.1988, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 140, 194) }
```

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

```
.background{ background-color: rgb(1, 140,  
194) }
```

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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