

Converting Colors

$Y_{xy}(22.8885, 0.1603, 0.2116)$

Have a look what the booklet for
Yxy(22.8885, 0.1603, 0.2116)
contains.

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Color

Yxy(25.4641, 0.1943, 0.2195)

Conversions

Conversions Part 1

Format	Color
Hex	0092D7
RGB	0, 146, 215
RGB Percent	0%, 57%, 84%
CMY	1.0000, 0.4274, 0.1569
CMYK	1.00, 0.32, 0.00, 0.16
HSL	199°, 100%, 42%
HSV	199°, 100%, 84%
XYZ	22.5407, 25.4641, 68.0048
YIQ	110.2120, -109.1650, -9.4930

Conversions

Conversions Part 2

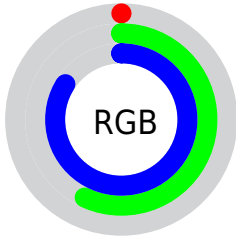
Format	Color
R _{YB}	0, 87, 215
Decimal	37591
CIE Lab	57.52, -7.43, -44.19
CIE LCh	58, 44.811, 260.459
Yxy	25.4641, 0.1943, 0.2195
Android (android.graphics.Color)	4278227671 (0xFF0092D7)
YUV	110.2120, 51.6605, -96.6559
Hunter-Lab	50.4620, -8.5750, -44.5785

Details

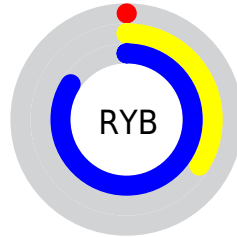
The Yxy color **25.4641, 0.1943, 0.2195** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.6974, 0.5927, 0.3676**, and the grayscale version is **15.5304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3533, 0.2235, 0.2597**, and **10.9038, 0.1872, 0.1939** is the 20% darker color. If you saturate the color by 10%, you get **25.4661, 0.1943, 0.2195**, and if you desaturate by 10%, it is **27.8223, 0.1994, 0.2315**.

Distribution



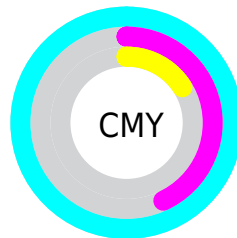
- Red (0%)
- Green (57%)
- Blue (84%)



- Red (0%)
- Yellow (34%)
- Blue (84%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4641, 0.1943, 0.2195 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 25.4641, 0.1943, 0.2195 by changing the saturation by 10% instead.

■ 25.4641, 0.1943,
0.2195

■ 25.4641, 0.1943,
0.2195

■ 280.1414, 0.2553,
0.2773

■ 16.4232, 0.1792,
0.2047

■ 52.4091, 0.2166,
0.2409

■ 9.8241, 0.1601,
0.1858

■ 71.0820, 0.2249,
0.2489

■ 5.2825, 0.1356,
0.1610

■ 93.7343, 0.2320,
0.2555

■ 2.4139, 0.1041,
0.1283

■ 120.7505, 0.2380,
0.2612

■ 0.8330, 0.0627,
0.0856

■ 152.5149, 0.2432,
0.2661

■ 0.0000, 0.0000,
0.0000

189.4119, 0.2478,

0.2703

231.8259, 0.2518,
0.2740

■ 25.4641, 0.1943,
0.2195

■ 25.4641, 0.1943,
0.2195

■ 25.4661, 0.1943,
0.2195

■ 27.8223, 0.1994,
0.2315

■ 30.4926, 0.2062,
0.2438

■ 33.5402, 0.2151,
0.2561

■ 37.0008, 0.2259,
0.2682

■ 40.9049, 0.2383,
0.2801

■ 45.2795, 0.2520,
0.2914

■ 50.1489, 0.2667,
0.3020

■ 55.5355, 0.2819,
0.3118

■ 61.4600, 0.2973,
0.3208

Harmonies

Analogous

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



25.4641, 0.1808, 0.2525



25.4641, 0.1943, 0.2195



25.4641, 0.2354, 0.2143

Triad

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



25.4641, 0.1943, 0.2195



25.4641, 0.4434, 0.3212



25.4641, 0.3085, 0.4589

Complementary

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



25.4641, 0.1943, 0.2195



18.6974, 0.5927, 0.3676

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.



25.4641, 0.3811, 0.4668



25.4641, 0.1943, 0.2195



25.4641, 0.4645, 0.3774

Square

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



25.4641, 0.1943, 0.2195



25.4641, 0.3803, 0.2704



25.4641, 0.4392, 0.4311



25.4641, 0.2409, 0.3977

Rectangle

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



25.4641, 0.1943, 0.2195



25.4641, 0.2772, 0.2241



25.4641, 0.4392, 0.4311



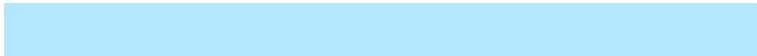
25.4641, 0.3332, 0.4678

Sweetspot

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



25.4661, 0.1943, 0.2195



73.5922, 0.2663, 0.3017



49.0104, 0.2881, 0.5572



15.0812, 0.2599, 0.2973



0.0000, 0.0000, 0.0000



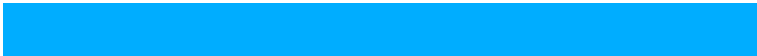
21.4041, 0.3127, 0.3290

Same Dimension

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



25.4661, 0.1943, 0.2195



37.1792, 0.1940, 0.2184



6.3837, 0.1544, 0.0758



13.4047, 0.2982, 0.3213



15.4336, 0.1948, 0.2213



1.0775, 0.2006, 0.2421

Inverse Universe

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



16.5201, 0.4238, 0.2108



24.2844, 0.4250, 0.2115



45.3264, 0.4563, 0.4759



12.5617, 0.3186, 0.3133



9.9029, 0.4218, 0.2097



0.6121, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 25.4641, 0.1943, 0.2195 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 25.4641, 0.1943, 0.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

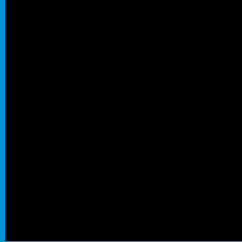
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4641, 0.1943, 0.2195

Background



This preview shows how black text looks on a background with the Yxy color 25.4641, 0.1943, 0.2195.

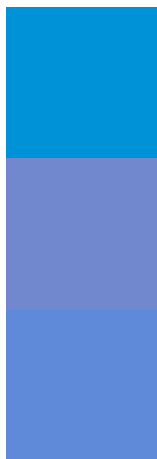


This preview shows how white text looks on a background with the Yxy color 25.4641, 0.1943, 0.2195.

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

25.4641, 0.1943, 0.2195

Protanopia

25.2949, 0.2339, 0.2223

Deuteranopia

25.5664, 0.2168, 0.2113



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.4641, 0.1943, 0.2195



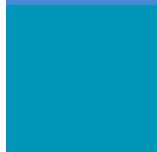
Protanomaly

24.4464, 0.2097, 0.2189



Deuteranomaly

24.9683, 0.2028, 0.2129



Tritanomaly

25.2316, 0.2084, 0.2703

Monochromacy



Original Color

25.4641, 0.1943, 0.2195



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.6061, 0.2367, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4641, 0.1943, 0.2195 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, 146, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 215)  
}
```

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, 146, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 215) }
```

Border

The CSS property to change the border of an element to Yxy 25.4641, 0.1943, 0.2195 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, 146, 215) }
```

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

```
.border{ border-color:rgb(0, 146, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4641, 0.1943, 0.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 215) }
```

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

```
.background{ background-color: rgb(0, 146,  
215) }
```

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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