

Converting Colors

$Y_{xy}(22.8510, 0.1863, 0.1906)$

Have a look what the booklet for
Yxy(22.8510, 0.1863, 0.1906)
contains.

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Color

Yxy(22.7642, 0.1863, 0.1905)

Conversions

Conversions Part 1

Format	Color
Hex	0187E1
RGB	1, 135, 225
RGB Percent	0%, 53%, 88%
CMY	0.9975, 0.4707, 0.1176
CMYK	1.00, 0.40, 0.00, 0.12
HSL	204°, 99%, 44%
HSV	204°, 100%, 88%
XYZ	22.2623, 22.7642, 74.4706
YIQ	105.1940, -108.7540, -0.4180

Conversions

Conversions Part 2

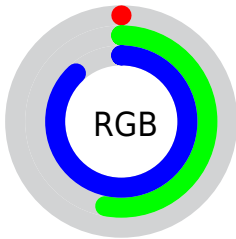
Format	Color
R_{YB}	1, 85, 225
Decimal	100321
CIE Lab	54.83, 2.91, -54.09
CIE LCh	55, 54.173, 273.084
Yxy	22.7642, 0.1863, 0.1905
Android (android.graphics.Color)	4278290401 (0xFF0187E1)
YUV	105.1940, 59.0644, -91.3781
Hunter-Lab	47.7118, -0.2078, -59.1440

Details

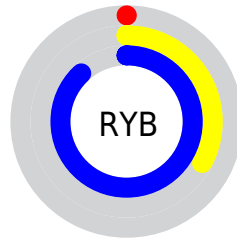
The Yxy color **22.7642, 0.1863, 0.1905** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.4381, 0.5708, 0.3847**, and the grayscale version is **14.0074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1295, 0.2206, 0.2438**, and **9.5201, 0.1783, 0.1618** is the 20% darker color. If you saturate the color by 10%, you get **22.6905, 0.1861, 0.1901**, and if you desaturate by 10%, it is **25.5715, 0.1923, 0.2055**.

Distribution



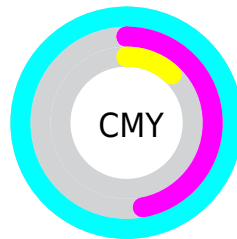
- Red (0%)
- Green (53%)
- Blue (88%)



- Red (0%)
- Yellow (33%)
- Blue (88%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (47%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7642, 0.1863, 0.1905 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 22.7642, 0.1863, 0.1905 by changing the saturation by 10% instead.

■ 22.7642, 0.1863,
0.1905

■ 22.7642, 0.1863,
0.1905

266.5116, 0.2519,
0.2617

■ 14.4195, 0.1701,
0.1732

■ 48.0059, 0.2102,
0.2163

■ 8.4130, 0.1500,
0.1516

■ 65.6716, 0.2192,
0.2260

■ 4.3603, 0.1245,
0.1247

■ 87.2131, 0.2268,
0.2343

■ 1.8771, 0.0926,
0.0913

■ 113.0148, 0.2333,
0.2414

■ 0.5346, 0.0525,
0.0484

■ 143.4612, 0.2389,
0.2475

■ 0.0000, 0.0000,
0.0000

178.9364, 0.2438,

0.2528

219.8251, 0.2481,
0.2575

■ 22.7642, 0.1863,
0.1905

■ 22.7642, 0.1863,
0.1905

■ 22.6905, 0.1861,
0.1901

■ 25.5715, 0.1923,
0.2055

■ 28.8060, 0.2003,
0.2210

■ 32.5370, 0.2104,
0.2367

■ 36.8069, 0.2224,
0.2523

■ 41.6522, 0.2360,
0.2674

■ 47.1052, 0.2508,
0.2818

■ 53.1953, 0.2662,
0.2953

■ 59.9494, 0.2820,
0.3077

■ 67.3928, 0.2977,
0.3191

Harmonies

Analogous

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



22.7642, 0.1573, 0.2128



22.7642, 0.1863, 0.1905



22.7642, 0.2477, 0.1975

Triad

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



22.7642, 0.1863, 0.1905



22.7642, 0.4943, 0.3431



22.7642, 0.2671, 0.4711

Complementary

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



22.7642, 0.1863, 0.1905



23.4381, 0.5708, 0.3847

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.



22.7642, 0.3554, 0.5076



22.7642, 0.1863, 0.1905



22.7642, 0.4914, 0.4100

Square

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



22.7642, 0.1863, 0.1905



22.7642, 0.4351, 0.2806



22.7642, 0.4373, 0.4736



22.7642, 0.1962, 0.3706

Rectangle

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



22.7642, 0.1863, 0.1905



22.7642, 0.3058, 0.2161



22.7642, 0.4373, 0.4736



22.7642, 0.2958, 0.4925

Sweetspot

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



22.7649, 0.1863, 0.1905



70.2191, 0.2655, 0.2947



54.6117, 0.2818, 0.5344



14.2762, 0.2589, 0.2890



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.



22.7649, 0.1863, 0.1905



29.8978, 0.1859, 0.1891



6.0570, 0.1518, 0.0661



14.6014, 0.2981, 0.3194



13.3070, 0.1868, 0.1924



1.0963, 0.1932, 0.2156

Inverse Universe

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



17.7737, 0.4561, 0.2288



23.5493, 0.4578, 0.2296



58.5280, 0.4382, 0.4902



13.8376, 0.3199, 0.3151



10.2514, 0.4540, 0.2274



0.7281, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 22.7642, 0.1863, 0.1905 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 22.7642, 0.1863, 0.1905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

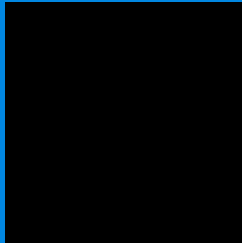
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7642, 0.1863, 0.1905

Background



This preview shows how black text looks on a background with the Yxy color 22.7642, 0.1863, 0.1905.



This preview shows how white text looks on a background with the Yxy color 22.7642, 0.1863, 0.1905.

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

22.7706, 0.1863, 0.1906

Protanopia

22.8275, 0.2125, 0.1949

Deuteranopia

22.8343, 0.1942, 0.1878



Tritanopia

22.6174, 0.2192, 0.3090

Trichromacy



Original Color

22.7706, 0.1863, 0.1906

Protanomaly

22.3829, 0.1966, 0.1915

Deuteranomaly

22.6411, 0.1894, 0.1877

Tritanomaly

22.3450, 0.2050, 0.2578

Monochromacy



Original Color

22.7706, 0.1863, 0.1906

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.8540, 0.2308, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7642, 0.1863, 0.1905 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, 135, 225)` looks like.

```
.text, #text, p{  
    color:rgb(1, 135, 225)  
}
```

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, 135, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 135, 225) }
```

Border

The CSS property to change the border of an element to Yxy 22.7642, 0.1863, 0.1905 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, 135, 225) }
```

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

```
.border{ border-color:rgb(1, 135, 225) }
```

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

Here you see how a box with a 4 pixel rgb(1, 135, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 135, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 135, 225);  
box-shadow:4px 4px 4px 4px rgb(1, 135,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7642, 0.1863, 0.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 135, 225) }
```

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

```
.background{ background-color: rgb(1, 135,  
225) }
```

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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