

Converting Colors

$Y_{xy}(23.7832, 0.1722, 0.1986)$

Have a look what the booklet for
Yxy(23.7832, 0.1722, 0.1986)
contains.

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Color

Yxy(25.4375, 0.1900, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	0090E2
RGB	0, 144, 226
RGB Percent	0%, 56%, 89%
CMY	0.9988, 0.4353, 0.1137
CMYK	1.00, 0.36, 0.00, 0.11
HSL	202°, 100%, 44%
HSV	202°, 100%, 89%
XYZ	23.7034, 25.4375, 75.6139
YIQ	110.2920, -112.1460, -5.0260

Conversions

Conversions Part 2

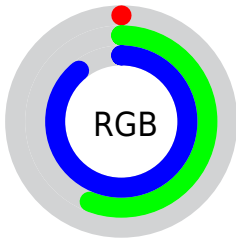
Format	Color
R _Y B	0, 88, 226
Decimal	37090
CIE Lab	57.50, -2.08, -50.39
CIE LCh	57, 50.431, 267.631
Yxy	25.4375, 0.1900, 0.2039
Android (android.graphics.Color)	4278227170 (0xFF0090E2)
YUV	110.2920, 57.0440, -96.7261
Hunter-Lab	50.4356, -4.3720, -53.5836

Details

The Yxy color **25.4375, 0.1900, 0.2039** 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 **22.2539, 0.5817, 0.3762**, and the grayscale version is **15.5664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1558, 0.2237, 0.2559**, and **10.9077, 0.1824, 0.1768** is the 20% darker color. If you saturate the color by 10%, you get **25.4012, 0.1899, 0.2037**, and if you desaturate by 10%, it is **28.1963, 0.1955, 0.2176**.

Distribution



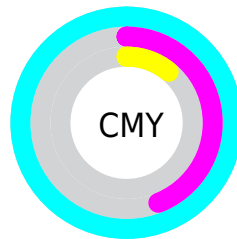
- Red (0%)
- Green (56%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- Blue (89%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4375, 0.1900, 0.2039 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 25.4375, 0.1900, 0.2039 by changing the saturation by 10% instead.

■ 25.4375, 0.1900,
0.2039

■ 25.4375, 0.1900,
0.2039

280.0098, 0.2529,
0.2684

■ 16.4033, 0.1746,
0.1880

■ 52.3661, 0.2128,
0.2274

■ 9.8100, 0.1554,
0.1681

■ 71.0293, 0.2214,
0.2362

■ 5.2732, 0.1312,
0.1427

■ 93.6709, 0.2287,
0.2437

■ 2.4084, 0.1005,
0.1104

■ 120.6754, 0.2349,
0.2501

■ 0.8302, 0.0626,
0.0704

■ 152.4271, 0.2403,
0.2556

■ 0.0000, 0.0000,
0.0000

189.3105, 0.2450,

0.2604

231.7099, 0.2492,
0.2647

■ 25.4375, 0.1900,
0.2039

■ 25.4375, 0.1900,
0.2039

■ 25.4012, 0.1899,
0.2037

■ 28.1963, 0.1955,
0.2176

■ 31.3484, 0.2030,
0.2316

■ 34.9637, 0.2125,
0.2457

■ 39.0841, 0.2239,
0.2597

■ 43.7449, 0.2370,
0.2733

■ 48.9779, 0.2513,
0.2862

■ 54.8115, 0.2664,
0.2984

■ 61.2719, 0.2819,
0.3096

■ 68.3835, 0.2975,
0.3199

Harmonies

Analogous

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



25.4375, 0.1682, 0.2312



25.4375, 0.1900, 0.2039



25.4375, 0.2416, 0.2053

Triad

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



25.4375, 0.1900, 0.2039



25.4375, 0.4703, 0.3331



25.4375, 0.2871, 0.4658

Complementary

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



25.4375, 0.1900, 0.2039



22.2539, 0.5817, 0.3762

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.



25.4375, 0.3682, 0.4877



25.4375, 0.1900, 0.2039



25.4375, 0.4795, 0.3947

Square

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



25.4375, 0.1900, 0.2039



25.4375, 0.4084, 0.2760



25.4375, 0.4391, 0.4530



25.4375, 0.2173, 0.3844

Rectangle

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



25.4375, 0.1900, 0.2039



25.4375, 0.2918, 0.2199



25.4375, 0.4391, 0.4530



25.4375, 0.3140, 0.4808

Sweetspot

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



25.4383, 0.1900, 0.2039



71.7929, 0.2658, 0.2980



54.9655, 0.2858, 0.5489



14.6512, 0.2594, 0.2929



0.0000, 0.0000, 0.0000



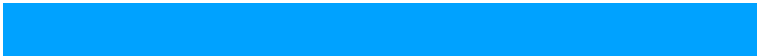
21.4041, 0.3127, 0.3290

Same Dimension

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



25.4383, 0.1900, 0.2039



33.1805, 0.1897, 0.2028



6.6471, 0.1531, 0.0711



14.6909, 0.2981, 0.3203



14.7241, 0.1905, 0.2059



1.1890, 0.1964, 0.2270

Inverse Universe

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



18.1897, 0.4409, 0.2203



23.8807, 0.4421, 0.2209



53.9354, 0.4488, 0.4818



13.8467, 0.3193, 0.3142



10.3945, 0.4387, 0.2190



0.7375, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 25.4375, 0.1900, 0.2039 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 25.4375, 0.1900, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

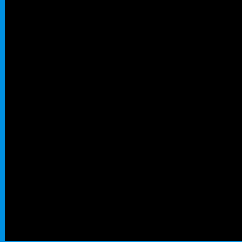
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

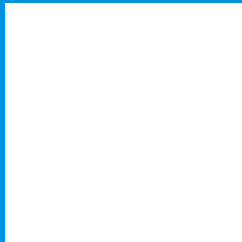
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4375, 0.1900, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 25.4375, 0.1900, 0.2039.

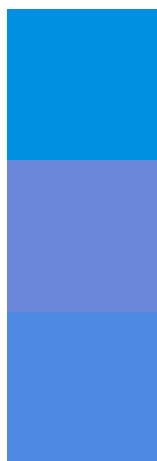


This preview shows how white text looks on a background with the Yxy color 25.4375, 0.1900, 0.2039.

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

25.4375, 0.1900, 0.2039

Protanopia

25.4541, 0.2225, 0.2077

Deuteranopia

25.3427, 0.2045, 0.1986



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.4375, 0.1900, 0.2039

Protanomaly

24.6264, 0.2026, 0.2035

Deuteranomaly

24.9803, 0.1953, 0.1987

Tritanomaly

25.4005, 0.2067, 0.2642

Monochromacy



Original Color

25.4375, 0.1900, 0.2039

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.4882, 0.2334, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4375, 0.1900, 0.2039 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, 144, 226)` looks like.

```
.text, #text, p{  
  color:rgb(0, 144, 226)  
}
```

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, 144, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 226) }
```

Border

The CSS property to change the border of an element to Yxy 25.4375, 0.1900, 0.2039 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, 144, 226) }
```

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

```
.border{ border-color:rgb(0, 144, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4375, 0.1900, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 226) }
```

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

```
.background{ background-color: rgb(0, 144,  
226) }
```

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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