

Converting Colors

$Y_{xy}(25.2820, 0.1866, 0.1919)$

Have a look what the booklet for
Yxy(25.2820, 0.1866, 0.1919)
contains.

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Color

Yxy(25.3442, 0.1866, 0.1917)

Conversions

Conversions Part 1

Format	Color
Hex	008EEB
RGB	0, 142, 235
RGB Percent	0%, 56%, 92%
CMY	0.9994, 0.4431, 0.0784
CMYK	1.00, 0.40, 0.00, 0.08
HSL	204°, 100%, 46%
HSV	204°, 100%, 92%
XYZ	24.6699, 25.3442, 82.1935
YIQ	110.1440, -114.4850, -1.1810

Conversions

Conversions Part 2

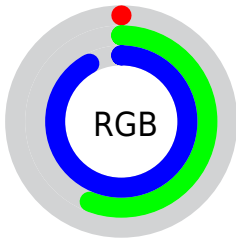
Format	Color
R _{YB}	0, 89, 235
Decimal	36587
CIE Lab	57.41, 2.52, -55.54
CIE LCh	57, 55.595, 272.602
Yxy	25.3442, 0.1866, 0.1917
Android (android.graphics.Color)	4278226667 (0xFF008EEB)
YUV	110.1440, 61.5540, -96.5963
Hunter-Lab	50.3430, -0.6287, -61.5608

Details

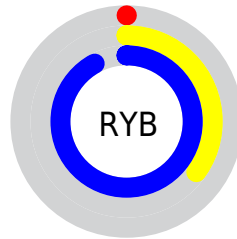
The Yxy color **25.3442, 0.1866, 0.1917** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **25.5208, 0.5732, 0.3830**, and the grayscale version is **15.4949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3760, 0.2239, 0.2534**, and **11.0834, 0.1791, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **25.3260, 0.1866, 0.1916**, and if you desaturate by 10%, it is **28.4200, 0.1925, 0.2066**.

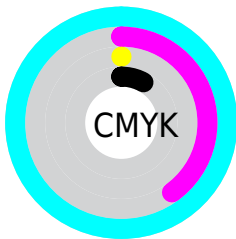
Distribution



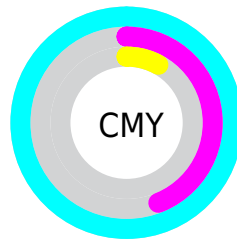
- Red (0%)
- Green (56%)
- Blue (92%)



- Red (0%)
- Yellow (35%)
- Blue (92%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3442, 0.1866, 0.1917 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 25.3442, 0.1866, 0.1917 by changing the saturation by 10% instead.


 25.3442, 0.1866,
0.1917


 25.3442, 0.1866,
0.1917


279.5478, 0.2509,
0.2612


 16.3337, 0.1711,
0.1751


 52.2151, 0.2098,
0.2166


 9.7606, 0.1518,
0.1546


 70.8442, 0.2186,
0.2261


 5.2405, 0.1277,
0.1291

 93.4483, 0.2260,
0.2342

 2.3891, 0.0977,
0.0975

 120.4119, 0.2324,
0.2411

 0.8203, 0.0616,
0.0600

 152.1192, 0.2380,
0.2471

 0.0000, 0.0000,
0.0000

188.9547, 0.2429,

0.2524

231.3027, 0.2471,
0.2571

■ 25.3442, 0.1866,
0.1917

■ 25.3442, 0.1866,
0.1917

■ 25.3260, 0.1866,
0.1916

■ 28.4200, 0.1925,
0.2066

■ 31.9609, 0.2003,
0.2219

■ 36.0442, 0.2103,
0.2374

■ 40.7172, 0.2222,
0.2528

■ 46.0205, 0.2357,
0.2677

■ 51.9899, 0.2504,
0.2820

■ 58.6579, 0.2658,
0.2954

■ 66.0544, 0.2816,
0.3077

■ 74.2075, 0.2973,
0.3189

Harmonies

Analogous

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



25.3442, 0.1583, 0.2145



25.3442, 0.1866, 0.1917



25.3442, 0.2470, 0.1981

Triad

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



25.3442, 0.1866, 0.1917



25.3442, 0.4921, 0.3422



25.3442, 0.2690, 0.4707

Complementary

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



25.3442, 0.1866, 0.1917



25.5208, 0.5732, 0.3830

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.



25.3442, 0.3567, 0.5057



25.3442, 0.1866, 0.1917



25.3442, 0.4904, 0.4086

Square

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



25.3442, 0.1866, 0.1917



25.3442, 0.4326, 0.2802



25.3442, 0.4376, 0.4716



25.3442, 0.1982, 0.3720

Rectangle

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



25.3442, 0.1866, 0.1917



25.3442, 0.3045, 0.2164



25.3442, 0.4376, 0.4716



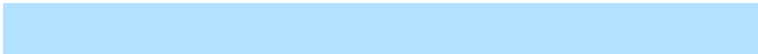
25.3442, 0.2976, 0.4915

Sweetspot

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



25.3450, 0.1866, 0.1917



70.4347, 0.2655, 0.2951



60.1628, 0.2834, 0.5401



14.3275, 0.2589, 0.2896



0.0000, 0.0000, 0.0000



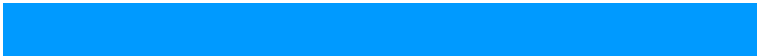
21.4041, 0.3127, 0.3290

Same Dimension

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



25.3450, 0.1866, 0.1917



30.3355, 0.1864, 0.1910



6.8090, 0.1520, 0.0672



16.0626, 0.2981, 0.3194



14.3502, 0.1872, 0.1940



1.3137, 0.1930, 0.2146

Inverse Universe

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



19.6196, 0.4548, 0.2279



23.5935, 0.4556, 0.2284



62.5841, 0.4418, 0.4874



15.2069, 0.3198, 0.3149



10.9415, 0.4522, 0.2265



0.8780, 0.4290, 0.2137

Previews

White Background



This preview shows how the Yxy color 25.3442, 0.1866, 0.1917 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 25.3442, 0.1866, 0.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

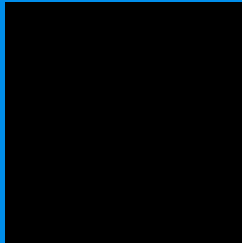
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

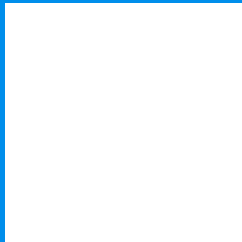
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.3442, 0.1866, 0.1917

Background



This preview shows how black text looks on a background with the Yxy color 25.3442, 0.1866, 0.1917.



This preview shows how white text looks on a background with the Yxy color 25.3442, 0.1866, 0.1917.

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

25.3442, 0.1866, 0.1917

Protanopia

25.2489, 0.2137, 0.1959

Deuteranopia

25.5135, 0.1952, 0.1894



Tritanopia

25.1008, 0.2189, 0.3080

Trichromacy



Original Color

25.3442, 0.1866, 0.1917

Protanomaly

24.6613, 0.1971, 0.1923

Deuteranomaly

25.2436, 0.1899, 0.1891

Tritanomaly

24.8539, 0.2049, 0.2575

Monochromacy



Original Color

25.3442, 0.1866, 0.1917

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.5877, 0.2313, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3442, 0.1866, 0.1917 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, 142, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 235)  
}
```

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, 142, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 235) }
```

Border

The CSS property to change the border of an element to Yxy 25.3442, 0.1866, 0.1917 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, 142, 235) }
```

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

```
.border{ border-color:rgb(0, 142, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3442, 0.1866, 0.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 235) }
```

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

```
.background{ background-color: rgb(0, 142,  
235) }
```

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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