

Converting Colors

$Yxy(24.7667, 0.1877, 0.1957)$

Have a look what the booklet for
Yxy(24.7667, 0.1877, 0.1957)
contains.

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Color

Yxy(24.7629, 0.1875, 0.1950)

Conversions

Conversions Part 1

Format	Color
Hex	008DE6
RGB	0, 141, 230
RGB Percent	0%, 55%, 90%
CMY	1.0000, 0.4471, 0.0979
CMYK	1.00, 0.39, 0.00, 0.10
HSL	203°, 100%, 45%
HSV	203°, 100%, 90%
XYZ	23.8105, 24.7629, 78.4158
YIQ	108.9870, -112.6050, -2.2130

Conversions

Conversions Part 2

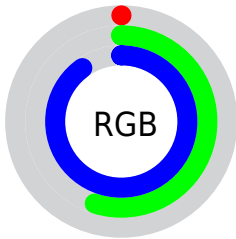
Format	Color
RYB	0, 87, 230
Decimal	36326
CIELab	56.84, 1.21, -53.68
CIELCh	57, 53.693, 271.296
Yxy	24.7629, 0.1875, 0.1950
Android (android.graphics.Color)	4278226406 (0xFF008DE6)
YUV	108.9870, 59.6594, -95.5816
Hunter-Lab	49.7623, -1.6747, -58.5960

Details

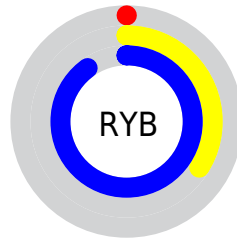
The Yxy color **24.7629, 0.1875, 0.1950** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.9811, 0.5757, 0.3811**, and the grayscale version is **15.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8677, 0.2232, 0.2520**, and **10.7103, 0.1801, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **24.7644, 0.1875, 0.1950**, and if you desaturate by 10%, it is **27.6789, 0.1933, 0.2095**.

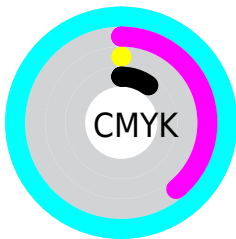
Distribution



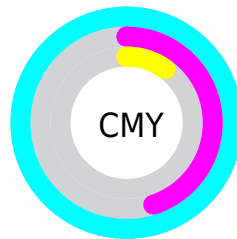
- Red (0%)
- Green (55%)
- Blue (90%)



- Red (0%)
- Yellow (34%)
- Blue (90%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (45%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7629, 0.1875, 0.1950 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 24.7629, 0.1875, 0.1950 by changing the saturation by 10% instead.


 24.7629, 0.1875,
0.1950


 24.7629, 0.1875,
0.1950


276.6551, 0.2517,
0.2635


 15.9005, 0.1719,
0.1784


 51.2723, 0.2107,
0.2197


 9.4538, 0.1524,
0.1578


 69.6881, 0.2195,
0.2291


 5.0383, 0.1280,
0.1320

 92.0572, 0.2270,
0.2370

 2.2698, 0.0973,
0.0998

 118.7639, 0.2333,
0.2438

 0.7576, 0.0601,
0.0607

 150.1926, 0.2389,
0.2497

 0.0000, 0.0000,
0.0000

186.7278, 0.2437,

0.2549

228.7538, 0.2479,
0.2594

■ 24.7629, 0.1875,
0.1950

■ 24.7629, 0.1875,
0.1950

■ 24.7644, 0.1875,
0.1950

■ 27.6789, 0.1933,
0.2095

■ 31.0259, 0.2010,
0.2245

■ 34.8793, 0.2108,
0.2396

■ 39.2835, 0.2226,
0.2546

■ 44.2767, 0.2360,
0.2692

■ 49.8925, 0.2506,
0.2831

■ 56.1616, 0.2659,
0.2961

■ 63.1120, 0.2815,
0.3081

■ 70.7700, 0.2973,
0.3191

Harmonies

Analogous

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



24.7629, 0.1610, 0.2190



24.7629, 0.1875, 0.1950



24.7629, 0.2455, 0.2001

Triad

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



24.7629, 0.1875, 0.1950



24.7629, 0.4861, 0.3397



24.7629, 0.2740, 0.4695

Complementary

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



24.7629, 0.1875, 0.1950



23.9811, 0.5757, 0.3811

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.



24.7629, 0.3600, 0.5007



24.7629, 0.1875, 0.1950



24.7629, 0.4876, 0.4048

Square

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



24.7629, 0.1875, 0.1950



24.7629, 0.4258, 0.2790



24.7629, 0.4382, 0.4664



24.7629, 0.2034, 0.3756

Rectangle

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



24.7629, 0.1875, 0.1950



24.7629, 0.3009, 0.2174



24.7629, 0.4382, 0.4664



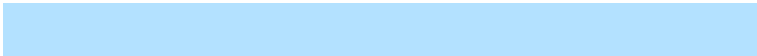
24.7629, 0.3022, 0.4886

Sweetspot

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



24.7644, 0.1875, 0.1950



70.8053, 0.2656, 0.2959



57.3229, 0.2833, 0.5400



14.4158, 0.2590, 0.2905



0.0000, 0.0000, 0.0000



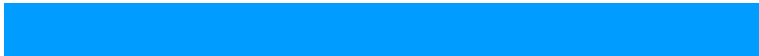
21.4041, 0.3127, 0.3290

Same Dimension

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



24.7644, 0.1875, 0.1950



31.0967, 0.1873, 0.1942



6.4918, 0.1520, 0.0672



15.3504, 0.2981, 0.3197



14.2590, 0.1881, 0.1973



1.2326, 0.1941, 0.2186

Inverse Universe

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



18.7525, 0.4510, 0.2258



23.6704, 0.4519, 0.2263



59.6364, 0.4418, 0.4874



14.5157, 0.3197, 0.3147



10.6372, 0.4484, 0.2244



0.8041, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 24.7629, 0.1875, 0.1950 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 24.7629, 0.1875, 0.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

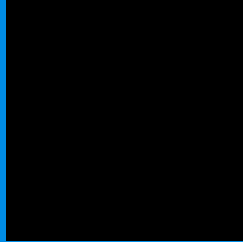
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7629, 0.1875, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 24.7629, 0.1875, 0.1950.



This preview shows how white text looks on a background with the Yxy color 24.7629, 0.1875, 0.1950.

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

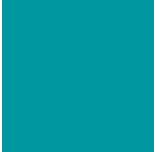
24.7629, 0.1875, 0.1950

Protanopia

24.7583, 0.2163, 0.1996

Deuteranopia

24.8191, 0.1978, 0.1917



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.7629, 0.1875, 0.1950

Protanomaly

24.1346, 0.1989, 0.1958

Deuteranomaly

24.4387, 0.1912, 0.1910

Tritanomaly

24.4126, 0.2056, 0.2601

Monochromacy



Original Color

24.7629, 0.1875, 0.1950

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.2399, 0.2316, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7629, 0.1875, 0.1950 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, 141, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 230)  
}
```

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, 141, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 230) }
```

Border

The CSS property to change the border of an element to Yxy 24.7629, 0.1875, 0.1950 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, 141, 230) }
```

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

```
.border{ border-color:rgb(0, 141, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7629, 0.1875, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 230) }
```

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

```
.background{ background-color: rgb(0, 141,  
230) }
```

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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