

Converting Colors

$Yxy(23.6694, 0.1794, 0.1973)$

Have a look what the booklet for
Yxy(23.6694, 0.1794, 0.1973)
contains.

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Color

Yxy(24.4860, 0.1889, 0.2001)

Conversions

Conversions Part 1

Format	Color
Hex	008DE1
RGB	0, 141, 225
RGB Percent	0%, 55%, 88%
CMY	1.0000, 0.4470, 0.1175
CMYK	1.00, 0.37, 0.00, 0.12
HSL	202°, 100%, 44%
HSV	202°, 100%, 88%
XYZ	23.1155, 24.4860, 74.7673
YIQ	108.4170, -111.0000, -3.7680

Conversions

Conversions Part 2

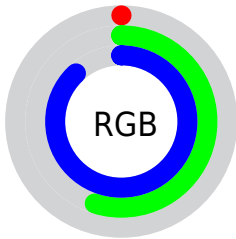
Format	Color
R_{YB}	0, 87, 225
Decimal	36321
CIE _{Lab}	56.57, -0.71, -51.32
CIE _{LCh}	57, 51.329, 269.209
Yxy	24.4860, 0.1889, 0.2001
Android (android.graphics.Color)	4278226401 (0xFF008DE1)
YUV	108.4170, 57.4754, -95.0817
Hunter-Lab	49.4833, -3.2120, -54.9465

Details

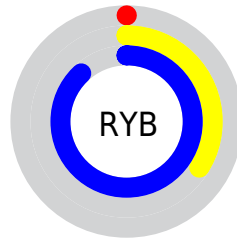
The Yxy color **24.4860, 0.1889, 0.2001** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.3590, 0.5792, 0.3783**, and the grayscale version is **14.9801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7466, 0.2224, 0.2519**, and **10.5189, 0.1816, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **24.4891, 0.1889, 0.2001**, and if you desaturate by 10%, it is **27.2385, 0.1946, 0.2141**.

Distribution



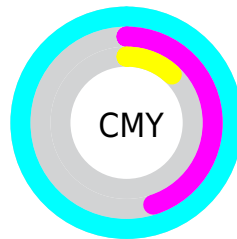
- Red (0%)
- Green (55%)
- Blue (88%)



- Red (0%)
- Yellow (34%)
- Blue (88%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4860, 0.1889, 0.2001 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 24.4860, 0.1889, 0.2001 by changing the saturation by 10% instead.


 24.4860, 0.1889,
0.2001


 24.4860, 0.1889,
0.2001


275.2684, 0.2526,
0.2666

 15.6945, 0.1733,
0.1837

 50.8221, 0.2120,
0.2243


 9.3083, 0.1537,
0.1633


 69.1356, 0.2208,
0.2334

 4.9428, 0.1290,
0.1373

 91.3918, 0.2282,
0.2411

 2.2137, 0.0978,
0.1045

 117.9752, 0.2345,
0.2477

 0.7275, 0.0591,
0.0638

 149.2702, 0.2400,
0.2534

 0.0000, 0.0000,
0.0000

185.6611, 0.2447,

0.2584

227.5324, 0.2489,
0.2627

■ 24.4860, 0.1889,
0.2001

■ 24.4860, 0.1889,
0.2001

■ 24.4891, 0.1889,
0.2001

■ 27.2385, 0.1946,
0.2141

■ 30.3853, 0.2021,
0.2285

■ 33.9997, 0.2118,
0.2431

■ 38.1235, 0.2233,
0.2575

■ 42.7922, 0.2365,
0.2715

■ 48.0373, 0.2509,
0.2848

■ 53.8874, 0.2661,
0.2974

■ 60.3688, 0.2816,
0.3089

■ 67.5058, 0.2973,
0.3195

Harmonies

Analogous

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



24.4860, 0.1651, 0.2261



24.4860, 0.1889, 0.2001



24.4860, 0.2432, 0.2031

Triad

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



24.4860, 0.1889, 0.2001



24.4860, 0.4770, 0.3359



24.4860, 0.2816, 0.4674

Complementary

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



24.4860, 0.1889, 0.2001



22.3590, 0.5792, 0.3783

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.



24.4860, 0.3649, 0.4931



24.4860, 0.1889, 0.2001



24.4860, 0.4830, 0.3990

Square

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



24.4860, 0.1889, 0.2001



24.4860, 0.4157, 0.2773



24.4860, 0.4389, 0.4586



24.4860, 0.2114, 0.3809

Rectangle

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



24.4860, 0.1889, 0.2001



24.4860, 0.2955, 0.2188



24.4860, 0.4389, 0.4586



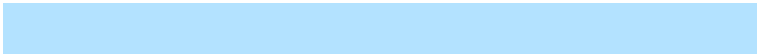
24.4860, 0.3091, 0.4842

Sweetspot

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



24.4891, 0.1889, 0.2001



71.3731, 0.2657, 0.2971



54.4870, 0.2846, 0.5445



14.5511, 0.2592, 0.2919



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.



24.4891, 0.1889, 0.2001



32.2849, 0.1887, 0.1992



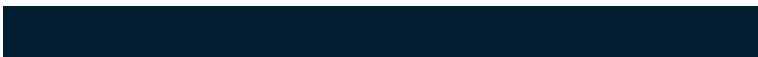
6.3670, 0.1525, 0.0691



14.6671, 0.2981, 0.3200



14.3379, 0.1895, 0.2023



1.1639, 0.1956, 0.2240

Inverse Universe

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



17.9365, 0.4452, 0.2226



23.7903, 0.4462, 0.2232



55.0576, 0.4453, 0.4846



13.8443, 0.3195, 0.3144



10.3555, 0.4427, 0.2212



0.7350, 0.4190, 0.2082

Previews

White Background



This preview shows how the Yxy color 24.4860, 0.1889, 0.2001 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 24.4860, 0.1889, 0.2001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

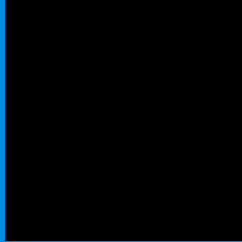
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

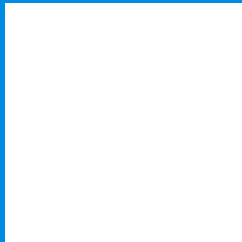
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4860, 0.1889, 0.2001

Background



This preview shows how black text looks on a background with the Yxy color 24.4860, 0.1889, 0.2001.



This preview shows how white text looks on a background with the Yxy color 24.4860, 0.1889, 0.2001.

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

24.4860, 0.1889, 0.2001

Protanopia

24.3371, 0.2196, 0.2036

Deuteranopia

24.4770, 0.2016, 0.1958



Tritanopia

24.3859, 0.2188, 0.3078

Trichromacy



Original Color

24.4860, 0.1889, 0.2001

Protanomaly

23.6191, 0.2007, 0.1995

Deuteranomaly

24.2488, 0.1938, 0.1962

Tritanomaly

24.3281, 0.2064, 0.2631

Monochromacy



Original Color

24.4860, 0.1889, 0.2001

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.9325, 0.2325, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4860, 0.1889, 0.2001 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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(0, 141, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 225) }
```

Border

The CSS property to change the border of an element to Yxy 24.4860, 0.1889, 0.2001 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, 225) }
```

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

```
.border{ border-color:rgb(0, 141, 225) }
```

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, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4860, 0.1889, 0.2001 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, 225) }
```

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

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