

Converting Colors

$Y_{xy}(23.6839, 0.1908, 0.2070)$

Have a look what the booklet for
Yxy(23.6839, 0.1908, 0.2070)
contains.

Yxy(23.7659, 0.1909, 0.2071)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(23.7659, 0.1909, 0.2071)$

Conversions

Conversions Part 1

Format	Color
Hex	008CD9
RGB	0, 140, 217
RGB Percent	0%, 55%, 85%
CMY	0.9982, 0.4510, 0.1490
CMYK	1.00, 0.35, 0.00, 0.15
HSL	201°, 100%, 43%
HSV	201°, 100%, 85%
XYZ	21.9069, 23.7659, 69.0829
YIQ	106.9180, -108.1570, -5.7330

Conversions

Conversions Part 2

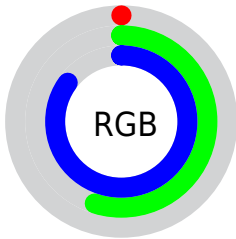
Format	Color
R _Y B	0, 85, 217
Decimal	36057
CIE Lab	55.85, -3.15, -47.97
CIE LCh	56, 48.076, 266.245
Yxy	23.7659, 0.1909, 0.2071
Android (android.graphics.Color)	4278226137 (0xFF008CD9)
YUV	106.9180, 54.2704, -93.7671
Hunter-Lab	48.7503, -5.1007, -49.8933

Details

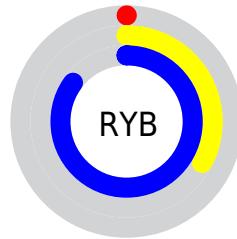
The Yxy color **23.7659, 0.1909, 0.2071** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **20.1272, 0.5832, 0.3749**, and the grayscale version is **14.5866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1847, 0.2214, 0.2504**, and **9.9210, 0.1829, 0.1782** is the 20% darker color. If you saturate the color by 10%, you get **23.7169, 0.1908, 0.2068**, and if you desaturate by 10%, it is **26.2710, 0.1964, 0.2205**.

Distribution



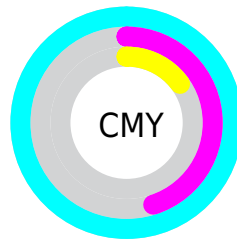
- Red (0%)
- Green (55%)
- Blue (85%)



- Red (0%)
- Yellow (33%)
- Blue (85%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7659, 0.1909, 0.2071 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 23.7659, 0.1909, 0.2071 by changing the saturation by 10% instead.


 23.7659, 0.1909,
0.2071


 23.7659, 0.1909,
0.2071


271.6348, 0.2541,
0.2710


 15.1601, 0.1752,
0.1910


 49.6479, 0.2140,
0.2306

 8.9318, 0.1554,
0.1706


 67.6929, 0.2227,
0.2394


 4.6967, 0.1302,
0.1444

 89.6530, 0.2300,
0.2468

 2.0704, 0.0980,
0.1105

 115.9127, 0.2362,
0.2531

 0.6479, 0.0553,
0.0665

 146.8563, 0.2416,
0.2585

 0.0000, 0.0000,
0.0000

182.8683, 0.2463,

0.2632

224.3330, 0.2505,
0.2673

■ 23.7659, 0.1909,
0.2071

■ 23.7659, 0.1909,
0.2071

■ 23.7169, 0.1908,
0.2068

■ 26.2710, 0.1964,
0.2205

■ 29.1273, 0.2038,
0.2341

■ 32.3985, 0.2132,
0.2479

■ 36.1223, 0.2245,
0.2615

■ 40.3304, 0.2375,
0.2747

■ 45.0511, 0.2517,
0.2874

■ 50.3101, 0.2667,
0.2992

■ 56.1310, 0.2821,
0.3102

■ 62.5356, 0.2976,
0.3202

Harmonies

Analogous

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



23.7659, 0.1708, 0.2356



23.7659, 0.1909, 0.2071



23.7659, 0.2403, 0.2072

Triad

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



23.7659, 0.1909, 0.2071



23.7659, 0.4647, 0.3307



23.7659, 0.2916, 0.4644

Complementary

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



23.7659, 0.1909, 0.2071



20.1272, 0.5832, 0.3749

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.



23.7659, 0.3710, 0.4832



23.7659, 0.1909, 0.2071



23.7659, 0.4765, 0.3911

Square

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



23.7659, 0.1909, 0.2071



23.7659, 0.4024, 0.2749



23.7659, 0.4393, 0.4484



23.7659, 0.2222, 0.3874

Rectangle

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



23.7659, 0.1909, 0.2071



23.7659, 0.2887, 0.2208



23.7659, 0.4393, 0.4484



23.7659, 0.3181, 0.4781

Sweetspot

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



23.7666, 0.1909, 0.2071



72.1175, 0.2659, 0.2987



50.1577, 0.2857, 0.5483



14.7287, 0.2595, 0.2937



0.0000, 0.0000, 0.0000



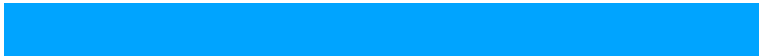
21.4041, 0.3127, 0.3290

Same Dimension

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



23.7666, 0.1909, 0.2071



33.8826, 0.1905, 0.2057



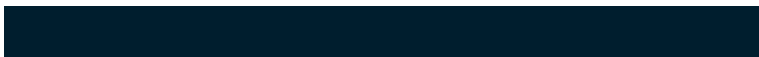
6.0971, 0.1532, 0.0715



14.0098, 0.2982, 0.3205



14.5619, 0.1913, 0.2088



1.1037, 0.1974, 0.2306

Inverse Universe

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



16.6558, 0.4373, 0.2184



23.9516, 0.4389, 0.2192



49.2530, 0.4487, 0.4818



13.1921, 0.3192, 0.3140



10.0938, 0.4355, 0.2173



0.6701, 0.4120, 0.2043

Previews

White Background



This preview shows how the Yxy color 23.7659, 0.1909, 0.2071 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 23.7659, 0.1909, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

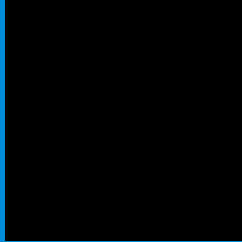
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7659, 0.1909, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 23.7659, 0.1909, 0.2071.



This preview shows how white text looks on a background with the Yxy color 23.7659, 0.1909, 0.2071.

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

23.7659, 0.1909, 0.2071

Protanopia

23.7791, 0.2248, 0.2110

Deuteranopia

23.8269, 0.2067, 0.2008



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



Original Color

23.7659, 0.1909, 0.2071



Protanomaly

22.9619, 0.2038, 0.2066



Deuteranomaly

23.3484, 0.1967, 0.2017



Tritanomaly

23.5461, 0.2071, 0.2656

Monochromacy



Original Color

23.7659, 0.1909, 0.2071



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.5292, 0.2343, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7659, 0.1909, 0.2071 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, 140, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 217)  
}
```

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, 140, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 217) }
```

Border

The CSS property to change the border of an element to Yxy 23.7659, 0.1909, 0.2071 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, 140, 217) }
```

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

```
.border{ border-color:rgb(0, 140, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7659, 0.1909, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 217) }
```

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

```
.background{ background-color: rgb(0, 140,  
217) }
```

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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