

Converting Colors

$Y_{xy}(17.3970, 0.1150, 0.1797)$

Have a look what the booklet for
Yxy(17.3970, 0.1150, 0.1797)
contains.

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Color

Yxy(22.6181, 0.1890, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	0088D9
RGB	0, 136, 217
RGB Percent	0%, 53%, 85%
CMY	1.0000, 0.4666, 0.1491
CMYK	1.00, 0.37, 0.00, 0.15
HSL	202°, 100%, 43%
HSV	202°, 100%, 85%
XYZ	21.3208, 22.6181, 68.8696
YIQ	104.5700, -107.0570, -3.6410

Conversions

Conversions Part 2

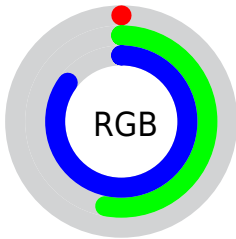
Format	Color
RYB	0, 84, 217
Decimal	35033
CIELab	54.68, -0.84, -49.82
CIELCh	55, 49.830, 269.036
Yxy	22.6181, 0.1890, 0.2005
Android (android.graphics.Color)	4278225113 (0xFF0088D9)
YUV	104.5700, 55.4280, -91.7079
Hunter-Lab	47.5585, -3.2046, -52.5671

Details

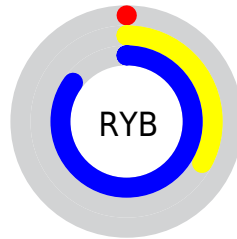
The Yxy color **22.6181, 0.1890, 0.2005** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **20.6261, 0.5789, 0.3785**, and the grayscale version is **13.8764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4400, 0.2201, 0.2450**, and **9.4250, 0.1811, 0.1719** is the 20% darker color. If you saturate the color by 10%, you get **22.6219, 0.1890, 0.2005**, and if you desaturate by 10%, it is **25.1566, 0.1947, 0.2145**.

Distribution



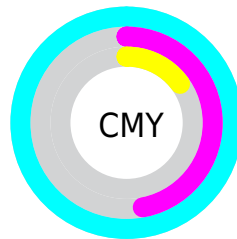
- Red (0%)
- Green (53%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6181, 0.1890, 0.2005 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 22.6181, 0.1890, 0.2005 by changing the saturation by 10% instead.

■ 22.6181, 0.1890,
0.2005

■ 22.6181, 0.1890,
0.2005

265.7574, 0.2535,
0.2677

■ 14.3118, 0.1729,
0.1837

■ 47.7655, 0.2126,
0.2252

■ 8.3378, 0.1526,
0.1625

■ 65.3753, 0.2215,
0.2344

■ 4.3119, 0.1269,
0.1354

■ 86.8551, 0.2290,
0.2422

■ 1.8495, 0.0941,
0.1009

■ 112.5893, 0.2353,
0.2488

■ 0.5177, 0.0497,
0.0546

■ 142.9622, 0.2408,
0.2545

■ 0.0000, 0.0000,
0.0000

178.3582, 0.2456,

0.2595

219.1618, 0.2498,
0.2639

■ 22.6181, 0.1890,
0.2005

■ 22.6181, 0.1890,
0.2005

■ 22.6219, 0.1890,
0.2005

■ 25.1566, 0.1947,
0.2145

■ 28.0552, 0.2023,
0.2289

■ 31.3829, 0.2119,
0.2434

■ 35.1780, 0.2235,
0.2577

■ 39.4729, 0.2367,
0.2717

■ 44.2963, 0.2510,
0.2850

■ 49.6743, 0.2662,
0.2975

■ 55.6311, 0.2817,
0.3090

■ 62.1888, 0.2973,
0.3195

Harmonies

Analogous

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



22.6181, 0.1655, 0.2266



22.6181, 0.1890, 0.2005



22.6181, 0.2430, 0.2033

Triad

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



22.6181, 0.1890, 0.2005



22.6181, 0.4763, 0.3356



22.6181, 0.2822, 0.4673

Complementary

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



22.6181, 0.1890, 0.2005



20.6261, 0.5789, 0.3785

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.



22.6181, 0.3653, 0.4925



22.6181, 0.1890, 0.2005



22.6181, 0.4827, 0.3985

Square

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



22.6181, 0.1890, 0.2005



22.6181, 0.4149, 0.2771



22.6181, 0.4390, 0.4580



22.6181, 0.2121, 0.3813

Rectangle

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



22.6181, 0.1890, 0.2005



22.6181, 0.2951, 0.2189



22.6181, 0.4390, 0.4580



22.6181, 0.3096, 0.4838

Sweetspot

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



22.6219, 0.1890, 0.2005



71.3858, 0.2657, 0.2971



50.1851, 0.2845, 0.5441



14.5541, 0.2592, 0.2919



0.0000, 0.0000, 0.0000



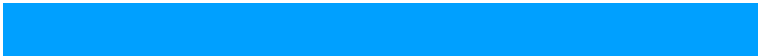
21.4041, 0.3127, 0.3290

Same Dimension

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



22.6219, 0.1890, 0.2005



32.3118, 0.1887, 0.1993



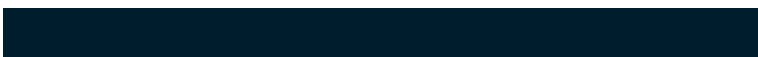
5.8837, 0.1526, 0.0693



13.9705, 0.2982, 0.3201



13.9065, 0.1896, 0.2025



1.0642, 0.1960, 0.2254

Inverse Universe

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



16.5259, 0.4447, 0.2223



23.7930, 0.4461, 0.2231



50.7332, 0.4452, 0.4847



13.1881, 0.3194, 0.3144



10.0276, 0.4424, 0.2211



0.6661, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 22.6181, 0.1890, 0.2005 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 22.6181, 0.1890, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

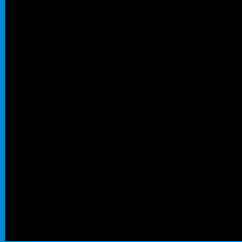
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6181, 0.1890, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 22.6181, 0.1890, 0.2005.



This preview shows how white text looks on a background with the Yxy color 22.6181, 0.1890, 0.2005.

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

22.6181, 0.1890, 0.2005

Protanopia

22.4348, 0.2203, 0.2039

Deuteranopia

22.5966, 0.2020, 0.1959

Trichromacy



Original Color

22.6181, 0.1890, 0.2005

Protanomaly

21.7755, 0.2010, 0.1997

Deuteranomaly

22.3949, 0.1941, 0.1964

Monochromacy



Original Color

22.6181, 0.1890, 0.2005

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.7594, 0.2329, 0.2670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6181, 0.1890, 0.2005 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, 136, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 217) }
```

Border

The CSS property to change the border of an element to Yxy 22.6181, 0.1890, 0.2005 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, 136, 217) }
```

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

```
.border{ border-color:rgb(0, 136, 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, 136, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
217) }
```

Background

The CSS property to change the background color of an element to Yxy 22.6181, 0.1890, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 217) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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