

Converting Colors

$Y_{xy}(20.2916, 0.1903, 0.1989)$

Have a look what the booklet for
Yxy(20.2916, 0.1903, 0.1989)
contains.

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Color

$Y_{xy}(20.3930, 0.1903, 0.1990)$

Conversions

Conversions Part 1

Format	Color
Hex	1381D0
RGB	19, 129, 208
RGB Percent	7%, 51%, 82%
CMY	0.9261, 0.4941, 0.1843
CMYK	0.91, 0.38, 0.00, 0.18
HSL	205°, 83%, 44%
HSV	205°, 91%, 82%
XYZ	19.5014, 20.3930, 62.5829
YIQ	105.1160, -90.9190, 1.2490

Conversions

Conversions Part 2

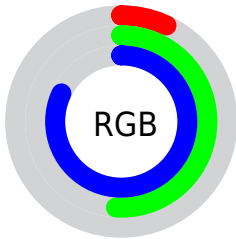
Format	Color
R_{YB}	19, 89, 208
Decimal	1278416
CIE _{Lab}	52.28, 0.60, -48.57
CIE _{LCh}	52, 48.570, 270.706
Yxy	20.3930, 0.1903, 0.1990
Android (android.graphics.Color)	4279468496 (0xFF1381D0)
YUV	105.1160, 50.7218, -75.5237
Hunter-Lab	45.1586, -1.9435, -50.5559

Details

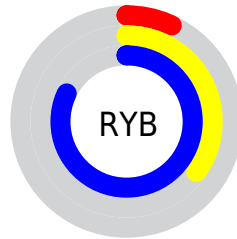
The Yxy color **20.3930, 0.1903, 0.1990** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.1637, 0.5450, 0.3963**, and the grayscale version is **14.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2108, 0.2185, 0.2344**, and **8.0372, 0.1800, 0.1678** is the 20% darker color. If you saturate the color by 10%, you get **18.2611, 0.1847, 0.1849**, and if you desaturate by 10%, it is **23.0878, 0.1983, 0.2150**.

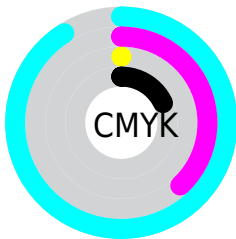
Distribution



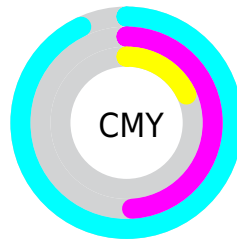
- Red (7%)
- Green (51%)
- Blue (82%)



- Red (7%)
- Yellow (35%)
- Blue (82%)



- Cyan (91%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3930, 0.1903, 0.1990 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 20.3930, 0.1903, 0.1990 by changing the saturation by 10% instead.

■ 20.3930, 0.1903,
0.1990

■ 20.3930, 0.1903,
0.1990

■ 254.0348, 0.2553,
0.2679

■ 12.6810, 0.1737,
0.1815

■ 44.0751, 0.2144,
0.2245

■ 7.2093, 0.1526,
0.1592

■ 60.8140, 0.2234,
0.2340

■ 3.5933, 0.1255,
0.1306

■ 81.3307, 0.2309,
0.2420

■ 1.4488, 0.0908,
0.0941

■ 106.0096, 0.2372,
0.2487

■ 0.2523, 0.0339,
0.0337

■ 135.2351, 0.2427,
0.2545

■ 0.0000, 0.0000,
0.0000

169.3915, 0.2475,

0.2596

208.8633, 0.2516,
0.2640

■ 20.3930, 0.1903,
0.1990

■ 20.3930, 0.1903,
0.1990

■ 18.2611, 0.1847,
0.1849

■ 23.0878, 0.1983,
0.2150

■ 26.2045, 0.2084,
0.2313

■ 29.7801, 0.2205,
0.2475

■ 33.8454, 0.2341,
0.2632

■ 38.4279, 0.2489,
0.2783

■ 43.5525, 0.2644,
0.2924

■ 49.2422, 0.2802,
0.3055

■ 55.5184, 0.2959,
0.3173

■ 62.4012, 0.3113,
0.3281

Harmonies

Analogous

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



20.3930, 0.1649, 0.2234



20.3930, 0.1903, 0.1990



20.3930, 0.2463, 0.2033

Triad

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



20.3930, 0.1903, 0.1990



20.3930, 0.4796, 0.3389



20.3930, 0.2774, 0.4651

Complementary

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



20.3930, 0.1903, 0.1990



22.1637, 0.5450, 0.3963

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.



20.3930, 0.3609, 0.4945



20.3930, 0.1903, 0.1990



20.3930, 0.4827, 0.4023

Square

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



20.3930, 0.1903, 0.1990



20.3930, 0.4204, 0.2797



20.3930, 0.4363, 0.4618



20.3930, 0.2081, 0.3761

Rectangle

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



20.3930, 0.1903, 0.1990



20.3930, 0.2997, 0.2199



20.3930, 0.4363, 0.4618



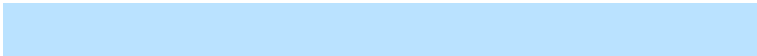
20.3930, 0.3048, 0.4832

Sweetspot

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



20.3936, 0.1903, 0.1990



72.2045, 0.2701, 0.2973



46.1247, 0.2773, 0.5114



14.8087, 0.2646, 0.2926



0.0000, 0.0000, 0.0000



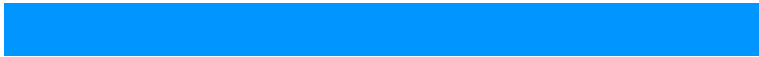
21.4041, 0.3127, 0.3290

Same Dimension

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



20.3936, 0.1903, 0.1990



28.5581, 0.1842, 0.1832



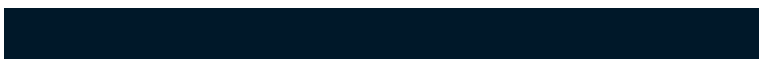
5.8708, 0.1564, 0.0750



12.5450, 0.2983, 0.3191



11.5760, 0.1853, 0.1871



0.8021, 0.1933, 0.2158

Inverse Universe

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



15.4561, 0.4454, 0.2279



23.4141, 0.4647, 0.2334



51.2607, 0.4312, 0.4909



11.9221, 0.3201, 0.3155



9.2399, 0.4601, 0.2308



0.5323, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 20.3930, 0.1903, 0.1990 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 20.3930, 0.1903, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

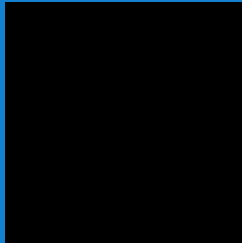
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3930, 0.1903, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 20.3930, 0.1903, 0.1990.



This preview shows how white text looks on a background with the Yxy color 20.3930, 0.1903, 0.1990.

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

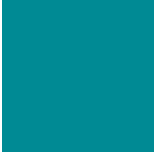
20.3930, 0.1903, 0.1990

Protanopia

20.2189, 0.2187, 0.2019

Deuteranopia

20.3607, 0.2006, 0.1949



Tritanopia

20.3151, 0.2189, 0.3081

Trichromacy



Original Color

20.3930, 0.1903, 0.1990

Protanomaly

19.9332, 0.2032, 0.1990

Deuteranomaly

20.1535, 0.1951, 0.1947

Tritanomaly

20.2754, 0.2069, 0.2620

Monochromacy



Original Color

20.3930, 0.1903, 0.1990

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.4435, 0.2407, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3930, 0.1903, 0.1990 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(19, 129, 208)` looks like.

```
.text, #text, p{  
    color:rgb(19, 129, 208)  
}
```

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(19, 129, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 129, 208) }
```

Border

The CSS property to change the border of an element to Yxy 20.3930, 0.1903, 0.1990 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(19, 129, 208) }
```

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

```
.border{ border-color:rgb(19, 129, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 129, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 129, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 129, 208);  
box-shadow:4px 4px 4px 4px rgb(19, 129,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3930, 0.1903, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 129, 208) }
```

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

```
.background{ background-color: rgb(19, 129,  
208) }
```

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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