

Converting Colors

$Y_{xy}(20.1996, 0.1906, 0.1945)$

Have a look what the booklet for
Yxy(20.1996, 0.1906, 0.1945)
contains.

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Color

Yxy(20.0931, 0.1904, 0.1939)

Conversions

Conversions Part 1

Format	Color
Hex	1D7FD2
RGB	29, 127, 210
RGB Percent	11%, 50%, 82%
CMY	0.8857, 0.5020, 0.1765
CMYK	0.86, 0.40, 0.00, 0.18
HSL	208°, 76%, 47%
HSV	208°, 86%, 82%
XYZ	19.7304, 20.0931, 63.8026
YIQ	107.1600, -85.0510, 5.0370

Conversions

Conversions Part 2

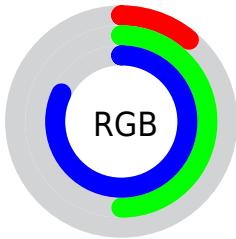
Format	Color
R_{YB}	29, 93, 210
Decimal	1933266
CIE _{Lab}	51.94, 3.20, -50.22
CIE _{LCh}	52, 50.322, 273.644
Yxy	20.0931, 0.1904, 0.1939
Android (android.graphics.Color)	4280123346 (0xFF1D7FD2)
YUV	107.1600, 50.7001, -68.5463
Hunter-Lab	44.8253, 0.1246, -53.0133

Details

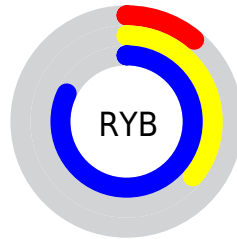
The Yxy color **20.0931, 0.1904, 0.1939** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **25.4099, 0.5228, 0.4074**, and the grayscale version is **14.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5860, 0.2192, 0.2320**, and **7.9585, 0.1787, 0.1632** is the 20% darker color. If you saturate the color by 10%, you get **17.5115, 0.1831, 0.1768**, and if you desaturate by 10%, it is **23.1218, 0.2000, 0.2116**.

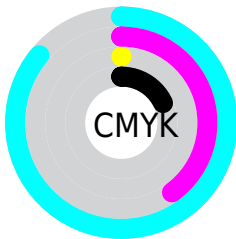
Distribution



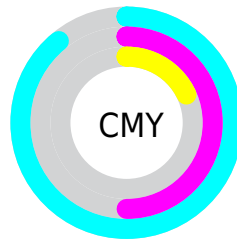
- Red (11%)
- Green (50%)
- Blue (82%)



- Red (11%)
- Yellow (36%)
- Blue (82%)



- Cyan (86%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (89%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0931, 0.1904, 0.1939 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 20.0931, 0.1904, 0.1939 by changing the saturation by 10% instead.

■ 20.0931, 0.1904,
0.1939

■ 20.0931, 0.1904,
0.1939

252.4187, 0.2555,
0.2650

■ 12.4627, 0.1738,
0.1760

■ 43.5732, 0.2145,
0.2201

■ 7.0596, 0.1527,
0.1534

■ 60.1918, 0.2235,
0.2299

■ 3.4994, 0.1256,
0.1247

■ 80.5752, 0.2310,
0.2381

■ 1.3977, 0.0910,
0.0885

■ 105.1078, 0.2374,
0.2451

■ 0.2150, 0.0363,
0.0277

■ 134.1741, 0.2429,
0.2511

■ 0.0000, 0.0000,
0.0000

168.1584, 0.2476,

0.2564

207.4451, 0.2518,
0.2610

■ 20.0931, 0.1904,
0.1939

■ 20.0931, 0.1904,
0.1939

■ 17.5115, 0.1831,
0.1768

■ 23.1218, 0.2000,
0.2116

■ 16.6006, 0.1807,
0.1704

■ 26.6391, 0.2117,
0.2296

■ 30.6815, 0.2252,
0.2474

■ 35.2804, 0.2400,
0.2645

■ 40.4639, 0.2557,
0.2807

■ 46.2579, 0.2717,
0.2958

■ 52.6866, 0.2877,
0.3096

■ 59.7725, 0.3034,
0.3220

■ 67.5369, 0.3185,
0.3332

Harmonies

Analogous

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



20.0931, 0.1614, 0.2155



20.0931, 0.1904, 0.1939



20.0931, 0.2511, 0.2011

Triad

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



20.0931, 0.1904, 0.1939



20.0931, 0.4893, 0.3447



20.0931, 0.2674, 0.4645

Complementary

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



20.0931, 0.1904, 0.1939



25.4099, 0.5228, 0.4074

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.



20.0931, 0.3533, 0.5018



20.0931, 0.1904, 0.1939



20.0931, 0.4860, 0.4101

Square

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



20.0931, 0.1904, 0.1939



20.0931, 0.4329, 0.2833



20.0931, 0.4333, 0.4711



20.0931, 0.1987, 0.3675

Rectangle

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



20.0931, 0.1904, 0.1939



20.0931, 0.3080, 0.2197



20.0931, 0.4333, 0.4711



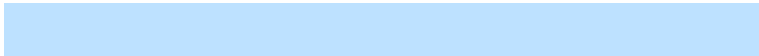
20.0931, 0.2953, 0.4857

Sweetspot

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



20.0937, 0.1904, 0.1939



71.6199, 0.2714, 0.2955



47.4878, 0.2734, 0.4918



14.6332, 0.2658, 0.2904



0.0000, 0.0000, 0.0000



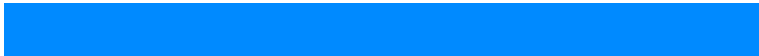
21.4041, 0.3127, 0.3290

Same Dimension

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



20.0937, 0.1904, 0.1939



25.3884, 0.1802, 0.1686



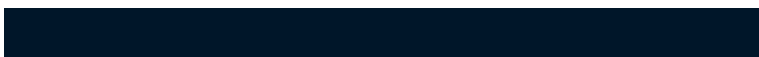
6.3148, 0.1592, 0.0783



12.4622, 0.2983, 0.3181



10.3308, 0.1813, 0.1728



0.7354, 0.1900, 0.2039

Inverse Universe

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



16.1183, 0.4501, 0.2352



23.0941, 0.4824, 0.2431



55.5373, 0.4234, 0.4933



11.9137, 0.3207, 0.3165



9.1142, 0.4772, 0.2403



0.5255, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 20.0931, 0.1904, 0.1939 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 20.0931, 0.1904, 0.1939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

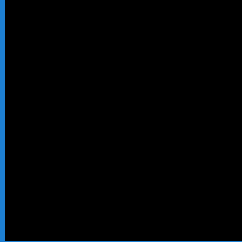
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0931, 0.1904, 0.1939

Background



This preview shows how black text looks on a background with the Yxy color 20.0931, 0.1904, 0.1939.



This preview shows how white text looks on a background with the Yxy color 20.0931, 0.1904, 0.1939.

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

20.0931, 0.1904, 0.1939

Protanopia

19.9164, 0.2142, 0.1963

Deuteranopia

20.0180, 0.1970, 0.1904



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

20.0931, 0.1904, 0.1939

Protanomaly

19.8154, 0.2024, 0.1952

Deuteranomaly

19.9988, 0.1939, 0.1910

Tritanomaly

19.7485, 0.2062, 0.2580

Monochromacy



Original Color

20.0931, 0.1904, 0.1939

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7105, 0.2434, 0.2679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0931, 0.1904, 0.1939 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(29, 127, 210)` looks like.

```
.text, #text, p{  
  color:rgb(29, 127, 210)  
}
```

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(29, 127, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 127, 210) }
```

Border

The CSS property to change the border of an element to Yxy 20.0931, 0.1904, 0.1939 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(29, 127, 210) }
```

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

```
.border{ border-color:rgb(29, 127, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 127, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 127, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 127, 210);  
box-shadow:4px 4px 4px 4px rgb(29, 127,  
210) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0931, 0.1904, 0.1939$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 127, 210) }
```

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

```
.background{ background-color: rgb(29, 127,  
210) }
```

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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