

Converting Colors

$Yxy(20.2825, 0.1881, 0.1971)$

Have a look what the booklet for
Yxy(20.2825, 0.1881, 0.1971)
contains.

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Color

$Y_{xy}(20.3040, 0.1882, 0.1973)$

Conversions

Conversions Part 1

Format	Color
Hex	0181D1
RGB	1, 129, 209
RGB Percent	0%, 51%, 82%
CMY	0.9973, 0.4942, 0.1803
CMYK	1.00, 0.38, 0.00, 0.18
HSL	203°, 99%, 41%
HSV	203°, 100%, 82%
XYZ	19.3675, 20.3040, 63.2377
YIQ	99.8480, -101.9680, -2.2560

Conversions

Conversions Part 2

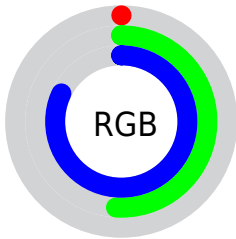
Format	Color
RYB	1, 80, 209
Decimal	98769
CIELab	52.18, 0.35, -49.32
CIELCh	52, 49.317, 270.408
Yxy	20.3040, 0.1882, 0.1973
Android (android.graphics.Color)	4278288849 (0xFF0181D1)
YUV	99.8480, 53.8119, -86.6897
Hunter-Lab	45.0600, -2.1326, -51.6664

Details

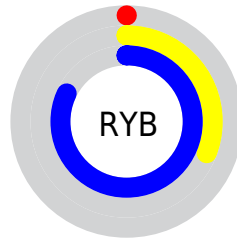
The Yxy color **20.3040, 0.1882, 0.1973** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **19.4060, 0.5747, 0.3816**, and the grayscale version is **12.5559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9771, 0.2169, 0.2341**, and **8.0704, 0.1796, 0.1666** is the 20% darker color. If you saturate the color by 10%, you get **20.2311, 0.1880, 0.1968**, and if you desaturate by 10%, it is **22.6653, 0.1941, 0.2117**.

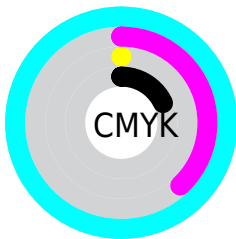
Distribution



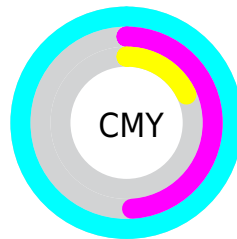
- Red (0%)
- Green (51%)
- Blue (82%)



- Red (0%)
- Yellow (31%)
- Blue (82%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3040, 0.1882, 0.1973 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 20.3040, 0.1882, 0.1973 by changing the saturation by 10% instead.

■ 20.3040, 0.1882,
0.1973

■ 20.3040, 0.1882,
0.1973

■ 253.5561, 0.2542,
0.2670

■ 12.6162, 0.1714,
0.1796

■ 43.9263, 0.2126,
0.2231

■ 7.1648, 0.1501,
0.1572

■ 60.6296, 0.2217,
0.2327

■ 3.5654, 0.1229,
0.1285

■ 81.1068, 0.2293,
0.2408

■ 1.4335, 0.0882,
0.0920

■ 105.7424, 0.2358,
0.2476

■ 0.2413, 0.0312,
0.0317

■ 134.9207, 0.2414,
0.2535

■ 0.0000, 0.0000,
0.0000

169.0262, 0.2462,

0.2586

208.4432, 0.2505,
0.2631

■ 20.3040, 0.1882,
0.1973

■ 20.3040, 0.1882,
0.1973

■ 20.2311, 0.1880,
0.1968

■ 22.6653, 0.1941,
0.2117

■ 25.3713, 0.2019,
0.2265

■ 28.4811, 0.2118,
0.2414

■ 32.0296, 0.2236,
0.2562

■ 36.0465, 0.2369,
0.2705

■ 40.5583, 0.2514,
0.2842

■ 45.5889, 0.2667,
0.2970

■ 51.1606, 0.2823,
0.3088

■ 57.2938, 0.2979,
0.3196

Harmonies

Analogous

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



20.3040, 0.1629, 0.2222



20.3040, 0.1882, 0.1973



20.3040, 0.2445, 0.2015

Triad

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



20.3040, 0.1882, 0.1973



20.3040, 0.4820, 0.3381



20.3040, 0.2774, 0.4684

Complementary

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



20.3040, 0.1882, 0.1973



19.4060, 0.5747, 0.3816

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.



20.3040, 0.3621, 0.4972



20.3040, 0.1882, 0.1973



20.3040, 0.4855, 0.4023

Square

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



20.3040, 0.1882, 0.1973



20.3040, 0.4213, 0.2783



20.3040, 0.4385, 0.4630



20.3040, 0.2070, 0.3779

Rectangle

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



20.3040, 0.1882, 0.1973



20.3040, 0.2985, 0.2181



20.3040, 0.4385, 0.4630



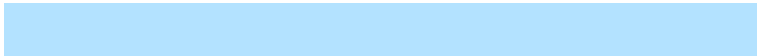
20.3040, 0.3052, 0.4865

Sweetspot

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



20.3046, 0.1882, 0.1973



70.9240, 0.2656, 0.2962



46.2065, 0.2829, 0.5384



14.4440, 0.2591, 0.2908



0.0000, 0.0000, 0.0000



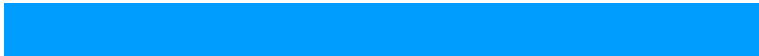
21.4041, 0.3127, 0.3290

Same Dimension

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



20.3046, 0.1882, 0.1973



31.3430, 0.1876, 0.1953



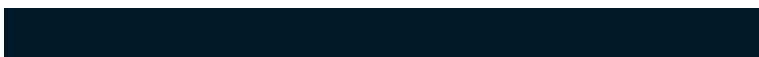
5.3041, 0.1523, 0.0681



12.6123, 0.2983, 0.3199



12.6662, 0.1886, 0.1989



0.8593, 0.1960, 0.2254

Inverse Universe

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



15.1587, 0.4483, 0.2245



23.6952, 0.4507, 0.2256



48.1424, 0.4415, 0.4875



11.9289, 0.3196, 0.3148



9.3499, 0.4465, 0.2233



0.5380, 0.4175, 0.2073

Previews

White Background



This preview shows how the Yxy color 20.3040, 0.1882, 0.1973 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 20.3040, 0.1882, 0.1973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

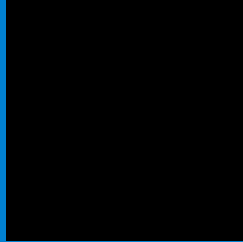
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3040, 0.1882, 0.1973

Background



This preview shows how black text looks on a background with the Yxy color 20.3040, 0.1882, 0.1973.



This preview shows how white text looks on a background with the Yxy color 20.3040, 0.1882, 0.1973.

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

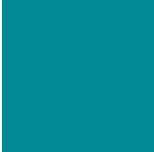
20.3104, 0.1882, 0.1974

Protanopia

20.2143, 0.2175, 0.2006

Deuteranopia

20.3445, 0.1994, 0.1936



Tritanopia

20.2835, 0.2195, 0.3101

Trichromacy



Original Color

20.3104, 0.1882, 0.1974

Protanomaly

19.7529, 0.1997, 0.1969

Deuteranomaly

20.0260, 0.1924, 0.1930

Tritanomaly

20.2302, 0.2061, 0.2619

Monochromacy



Original Color

20.3104, 0.1882, 0.1974

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3523, 0.2329, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3040, 0.1882, 0.1973 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(1, 129, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 129, 209)  
}
```

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(1, 129, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 129, 209) }
```

Border

The CSS property to change the border of an element to Yxy 20.3040, 0.1882, 0.1973 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(1, 129, 209) }
```

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

```
.border{ border-color:rgb(1, 129, 209) }
```

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

Here you see how a box with a 4 pixel rgb(1, 129, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 129, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 129, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 129,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3040, 0.1882, 0.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 129, 209) }
```

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

```
.background{ background-color: rgb(1, 129,  
209) }
```

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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