

Converting Colors

$Yxy(20.0535, 0.1915, 0.2025)$

Have a look what the booklet for
Yxy(20.0535, 0.1915, 0.2025)
contains.

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Color

Yxy(19.9467, 0.1913, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	1480CC
RGB	20, 128, 204
RGB Percent	8%, 50%, 80%
CMY	0.9212, 0.4981, 0.1999
CMYK	0.90, 0.37, 0.00, 0.20
HSL	205°, 82%, 44%
HSV	205°, 90%, 80%
XYZ	18.9088, 19.9467, 59.9884
YIQ	104.3720, -88.7640, 0.7400

Conversions

Conversions Part 2

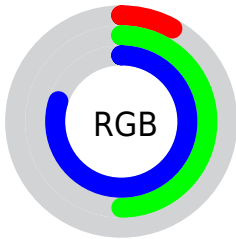
Format	Color
RYB	20, 88, 204
Decimal	1343692
CIELab	51.78, -0.26, -47.10
CIELCh	52, 47.102, 269.688
Yxy	19.9467, 0.1913, 0.2018
Android (android.graphics.Color)	4279533772 (0xFF1480CC)
YUV	104.3720, 49.1166, -73.9942
Hunter-Lab	44.6617, -2.5849, -48.3734

Details

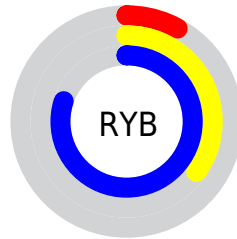
The Yxy color **19.9467, 0.1913, 0.2018** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **21.2744, 0.5439, 0.3959**, and the grayscale version is **13.8389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7461, 0.2178, 0.2330**, and **7.9072, 0.1814, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **17.7201, 0.1852, 0.1867**, and if you desaturate by 10%, it is **22.5504, 0.1994, 0.2176**.

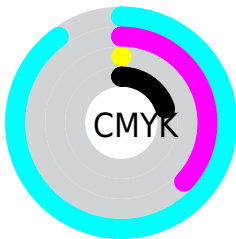
Distribution



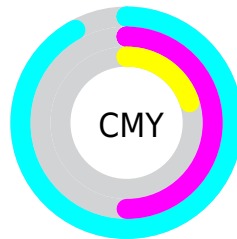
- Red (8%)
- Green (50%)
- Blue (80%)



- Red (8%)
- Yellow (35%)
- Blue (80%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9467, 0.1913, 0.2018 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 19.9467, 0.1913, 0.2018 by changing the saturation by 10% instead.

■ 19.9467, 0.1913,
0.2018

■ 19.9467, 0.1913,
0.2018

■ 251.6264, 0.2561,
0.2697

■ 12.3563, 0.1746,
0.1843

■ 43.3278, 0.2154,
0.2271

■ 6.9868, 0.1533,
0.1619

■ 59.8873, 0.2243,
0.2365

■ 3.4539, 0.1258,
0.1330

■ 80.2053, 0.2318,
0.2443

■ 1.3730, 0.0904,
0.0958

■ 104.6662, 0.2382,
0.2509

■ 0.1967, 0.0267,
0.0290

■ 133.6543, 0.2436,
0.2567

■ 0.0000, 0.0000,
0.0000

167.5542, 0.2483,

0.2616

206.7501, 0.2524,
0.2659

■ 19.9467, 0.1913,
0.2018

■ 19.9467, 0.1913,
0.2018

■ 17.7201, 0.1852,
0.1867

■ 22.5504, 0.1994,
0.2176

■ 25.5569, 0.2096,
0.2337

■ 29.0005, 0.2218,
0.2497

■ 32.9104, 0.2355,
0.2652

■ 37.3123, 0.2503,
0.2800

■ 42.2297, 0.2657,
0.2939

■ 47.6844, 0.2814,
0.3067

■ 53.6964, 0.2971,
0.3184

■ 60.2848, 0.3125,
0.3288

Harmonies

Analogous

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



19.9467, 0.1673, 0.2271



19.9467, 0.1913, 0.2018



19.9467, 0.2454, 0.2051

Triad

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



19.9467, 0.1913, 0.2018



19.9467, 0.4747, 0.3371



19.9467, 0.2811, 0.4637

Complementary

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



19.9467, 0.1913, 0.2018



21.2744, 0.5439, 0.3959

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.



19.9467, 0.3631, 0.4904



19.9467, 0.1913, 0.2018



19.9467, 0.4800, 0.3994

Square

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



19.9467, 0.1913, 0.2018



19.9467, 0.4152, 0.2790



19.9467, 0.4362, 0.4578



19.9467, 0.2122, 0.3784

Rectangle

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



19.9467, 0.1913, 0.2018



19.9467, 0.2972, 0.2209



19.9467, 0.4362, 0.4578



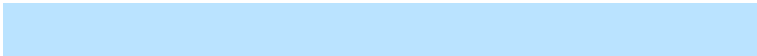
19.9467, 0.3081, 0.4805

Sweetspot

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



19.9473, 0.1913, 0.2018



72.3673, 0.2701, 0.2976



44.1438, 0.2784, 0.5145



14.8471, 0.2647, 0.2930



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.



19.9473, 0.1913, 0.2018



28.9083, 0.1847, 0.1848



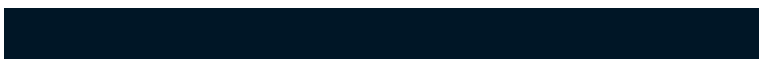
5.9269, 0.1577, 0.0785



11.9194, 0.2983, 0.3192



11.3390, 0.1858, 0.1888



0.7324, 0.1942, 0.2190

Inverse Universe

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



14.9010, 0.4421, 0.2267



23.4494, 0.4629, 0.2324



47.8483, 0.4337, 0.4881



11.3222, 0.3200, 0.3155



8.9477, 0.4581, 0.2297



0.4765, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 19.9467, 0.1913, 0.2018 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 19.9467, 0.1913, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

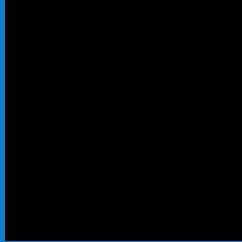
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9467, 0.1913, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 19.9467, 0.1913, 0.2018.



This preview shows how white text looks on a background with the Yxy color 19.9467, 0.1913, 0.2018.

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

19.9467, 0.1913, 0.2018

Protanopia

19.7913, 0.2205, 0.2048

Deuteranopia

20.0164, 0.2032, 0.1980



Tritanopia

19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.9467, 0.1913, 0.2018

Protanomaly

19.4943, 0.2045, 0.2018

Deuteranomaly

19.7531, 0.1968, 0.1976

Tritanomaly

19.6102, 0.2071, 0.2629

Monochromacy



Original Color

19.9467, 0.1913, 0.2018

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.1202, 0.2411, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9467, 0.1913, 0.2018 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(20, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(20, 128, 204)  
}
```

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(20, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 128, 204) }
```

Border

The CSS property to change the border of an element to Yxy 19.9467, 0.1913, 0.2018 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(20, 128, 204) }
```

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

```
.border{ border-color:rgb(20, 128, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 128, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(20, 128,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9467, 0.1913, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 128, 204) }
```

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

```
.background{ background-color: rgb(20, 128,  
204) }
```

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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