

Converting Colors

$Y_{xy}(19.6286, 0.1736, 0.1820)$

Have a look what the booklet for
Yxy(19.6286, 0.1736, 0.1820)
contains.

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Color

Yxy(20.5528, 0.1848, 0.1852)

Conversions

Conversions Part 1

Format	Color
Hex	0080DB
RGB	0, 128, 219
RGB Percent	0%, 50%, 86%
CMY	0.9992, 0.4981, 0.1411
CMYK	1.00, 0.42, 0.00, 0.14
HSL	205°, 100%, 43%
HSV	205°, 100%, 86%
XYZ	20.5084, 20.5528, 69.9150
YIQ	100.1020, -105.4990, 1.1650

Conversions

Conversions Part 2

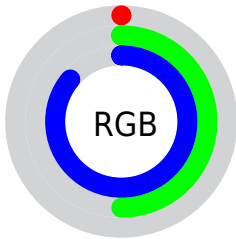
Format	Color
R _Y B	0, 81, 219
Decimal	32987
CIE Lab	52.46, 4.82, -54.52
CIE LCh	52, 54.728, 275.056
Yxy	20.5528, 0.1848, 0.1852
Android (android.graphics.Color)	4278223067 (0xFF0080DB)
YUV	100.1020, 58.6167, -87.7895
Hunter-Lab	45.3352, 1.4120, -59.7012

Details

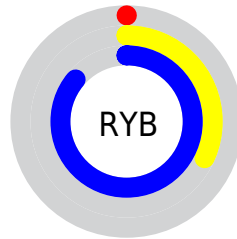
The Yxy color **20.5528, 0.1848, 0.1852** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.5839, 0.5668, 0.3881**, and the grayscale version is **12.6552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7461, 0.2178, 0.2330**, and **8.3817, 0.1768, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **20.5301, 0.1848, 0.1851**, and if you desaturate by 10%, it is **23.2082, 0.1910, 0.2007**.

Distribution



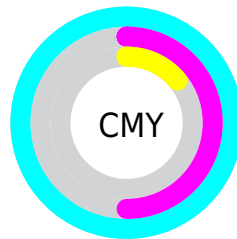
- Red (0%)
- Green (50%)
- Blue (86%)



- Red (0%)
- Yellow (32%)
- Blue (86%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (50%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5528, 0.1848, 0.1852 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 20.5528, 0.1848, 0.1852 by changing the saturation by 10% instead.

■ 20.5528, 0.1848,
0.1852

■ 20.5528, 0.1848,
0.1852

254.8922, 0.2521,
0.2597

■ 12.7975, 0.1680,
0.1670

■ 44.3421, 0.2095,
0.2123

■ 7.2893, 0.1468,
0.1443

■ 61.1448, 0.2188,
0.2225

■ 3.6437, 0.1201,
0.1160

■ 81.7322, 0.2266,
0.2312

■ 1.4763, 0.0867,
0.0812

■ 106.4886, 0.2332,
0.2386

■ 0.2720, 0.0400,
0.0289

■ 135.7984, 0.2390,
0.2449

■ 0.0000, 0.0000,
0.0000

170.0460, 0.2439,

0.2505

209.6158, 0.2483,
0.2554

■ 20.5528, 0.1848,
0.1852

■ 20.5528, 0.1848,
0.1852

■ 20.5301, 0.1848,
0.1851

■ 23.2082, 0.1910,
0.2007

■ 26.2752, 0.1991,
0.2167

■ 29.8218, 0.2094,
0.2330

■ 33.8883, 0.2217,
0.2491

■ 38.5094, 0.2354,
0.2649

■ 43.7158, 0.2503,
0.2798

■ 49.5357, 0.2659,
0.2938

■ 55.9947, 0.2817,
0.3068

■ 63.1170, 0.2974,
0.3185

Harmonies

Analogous

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



20.5528, 0.1530, 0.2056



20.5528, 0.1848, 0.1852



20.5528, 0.2502, 0.1943

Triad

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



20.5528, 0.1848, 0.1852



20.5528, 0.5039, 0.3469



20.5528, 0.2588, 0.4731

Complementary

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



20.5528, 0.1848, 0.1852



22.5839, 0.5668, 0.3881

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.



20.5528, 0.3498, 0.5160



20.5528, 0.1848, 0.1852



20.5528, 0.4957, 0.4161

Square

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



20.5528, 0.1848, 0.1852



20.5528, 0.4463, 0.2824



20.5528, 0.4361, 0.4821



20.5528, 0.1878, 0.3646

Rectangle

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



20.5528, 0.1848, 0.1852



20.5528, 0.3118, 0.2146



20.5528, 0.4361, 0.4821



20.5528, 0.2882, 0.4973

Sweetspot

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



20.5534, 0.1848, 0.1852



69.6144, 0.2653, 0.2934



51.3731, 0.2818, 0.5344



14.1324, 0.2587, 0.2875



0.0000, 0.0000, 0.0000



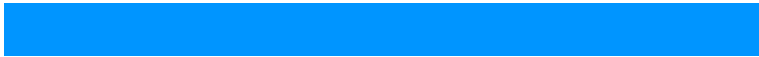
21.4041, 0.3127, 0.3290

Same Dimension

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



20.5534, 0.1848, 0.1852



28.6910, 0.1844, 0.1838



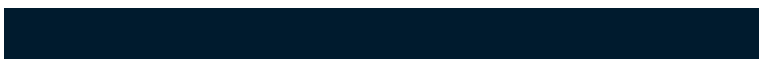
5.6937, 0.1517, 0.0660



13.8744, 0.2982, 0.3190



12.3923, 0.1854, 0.1874



0.9715, 0.1924, 0.2128

Inverse Universe

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



16.6254, 0.4624, 0.2321



23.4275, 0.4640, 0.2330



55.0571, 0.4382, 0.4902



13.1784, 0.3201, 0.3154



9.8748, 0.4598, 0.2307



0.6568, 0.4311, 0.2148

Previews

White Background



This preview shows how the Yxy color 20.5528, 0.1848, 0.1852 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 20.5528, 0.1848, 0.1852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

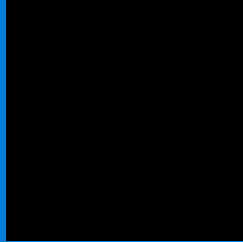
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5528, 0.1848, 0.1852

Background



This preview shows how black text looks on a background with the Yxy color 20.5528, 0.1848, 0.1852.



This preview shows how white text looks on a background with the Yxy color 20.5528, 0.1848, 0.1852.

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

20.5528, 0.1848, 0.1852

Protanopia

20.6545, 0.2082, 0.1893

Deuteranopia

20.5284, 0.1900, 0.1840



Tritanopia

20.6034, 0.2195, 0.3103

Trichromacy



Original Color

20.5528, 0.1848, 0.1852

Protanomaly

20.1059, 0.1941, 0.1859

Deuteranomaly

20.5262, 0.1872, 0.1845

Tritanomaly

20.3839, 0.2043, 0.2554

Monochromacy



Original Color

20.5528, 0.1848, 0.1852

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2250, 0.2302, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5528, 0.1848, 0.1852 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, 128, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 219)  
}
```

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, 128, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.5528, 0.1848, 0.1852 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, 128, 219) }
```

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

```
.border{ border-color:rgb(0, 128, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5528, 0.1848, 0.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 219) }
```

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

```
.background{ background-color: rgb(0, 128,  
219) }
```

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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