

Converting Colors

$Yxy(21.6811, 0.1906, 0.2060)$

Have a look what the booklet for
Yxy(21.6811, 0.1906, 0.2060)
contains.

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Color

Yxy(21.6536, 0.1906, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	0086D1
RGB	0, 134, 209
RGB Percent	0%, 53%, 82%
CMY	0.9981, 0.4745, 0.1805
CMYK	1.00, 0.36, 0.00, 0.18
HSL	202°, 100%, 41%
HSV	202°, 100%, 82%
XYZ	20.0348, 21.6536, 63.4261
YIQ	102.4840, -103.9390, -5.0830

Conversions

Conversions Part 2

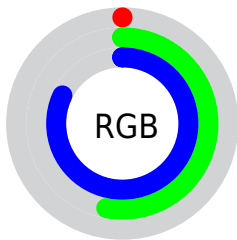
Format	Color
RYB	0, 82, 209
Decimal	34513
CIELab	53.66, -2.68, -46.93
CIELCh	54, 47.009, 266.731
Yxy	21.6536, 0.1906, 0.2060
Android (android.graphics.Color)	4278224593 (0xFF0086D1)
YUV	102.4840, 52.5124, -89.8785
Hunter-Lab	46.5334, -4.5808, -48.2402

Details

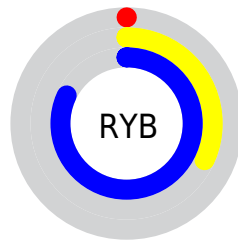
The Yxy color **21.6536, 0.1906, 0.2060** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **18.6469, 0.5817, 0.3761**, and the grayscale version is **13.3391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4700, 0.2188, 0.2422**, and **8.8301, 0.1827, 0.1776** is the 20% darker color. If you saturate the color by 10%, you get **21.6030, 0.1905, 0.2057**, and if you desaturate by 10%, it is **23.9665, 0.1962, 0.2195**.

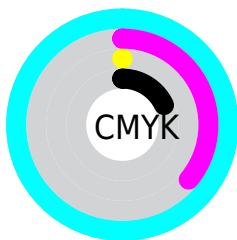
Distribution



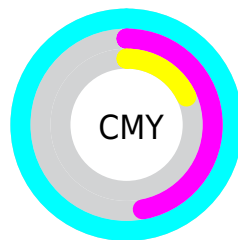
- Red (0%)
- Green (53%)
- Blue (82%)



- Red (0%)
- Yellow (32%)
- Blue (82%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6536, 0.1906, 0.2060 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 21.6536, 0.1906, 0.2060 by changing the saturation by 10% instead.

■ 21.6536, 0.1906,
0.2060

■ 21.6536, 0.1906,
0.2060

260.7319, 0.2549,
0.2713

■ 13.6026, 0.1743,
0.1893

■ 46.1728, 0.2143,
0.2303

■ 7.8448, 0.1537,
0.1679

■ 63.4098, 0.2232,
0.2392

■ 3.9958, 0.1272,
0.1403

■ 84.4776, 0.2306,
0.2468

■ 1.6712, 0.0932,
0.1045

■ 109.7605, 0.2369,
0.2532

■ 0.4049, 0.0404,
0.0512

■ 139.6430, 0.2424,
0.2587

■ 0.0000, 0.0000,
0.0000

174.5095, 0.2471,

0.2635

214.7443, 0.2512,
0.2676

■ 21.6536, 0.1906,
0.2060

■ 21.6536, 0.1906,
0.2060

■ 21.6030, 0.1905,
0.2057

■ 23.9665, 0.1962,
0.2195

■ 26.6033, 0.2036,
0.2333

■ 29.6235, 0.2132,
0.2472

■ 33.0612, 0.2246,
0.2609

■ 36.9454, 0.2376,
0.2743

■ 41.3022, 0.2518,
0.2870

■ 46.1548, 0.2668,
0.2990

■ 51.5249, 0.2822,
0.3100

■ 57.4324, 0.2977,
0.3201

Harmonies

Analogous

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



21.6536, 0.1699, 0.2341



21.6536, 0.1906, 0.2060



21.6536, 0.2407, 0.2065

Triad

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



21.6536, 0.1906, 0.2060



21.6536, 0.4666, 0.3315



21.6536, 0.2900, 0.4649

Complementary

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



21.6536, 0.1906, 0.2060



18.6469, 0.5817, 0.3761

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.



21.6536, 0.3701, 0.4847



21.6536, 0.1906, 0.2060



21.6536, 0.4775, 0.3924

Square

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



21.6536, 0.1906, 0.2060



21.6536, 0.4045, 0.2753



21.6536, 0.4392, 0.4500



21.6536, 0.2205, 0.3863

Rectangle

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



21.6536, 0.1906, 0.2060



21.6536, 0.2897, 0.2205



21.6536, 0.4392, 0.4500



21.6536, 0.3167, 0.4790

Sweetspot

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



21.6543, 0.1906, 0.2060



71.9505, 0.2659, 0.2983



46.0771, 0.2856, 0.5479



14.6888, 0.2594, 0.2933



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.



21.6543, 0.1906, 0.2060



33.5203, 0.1901, 0.2042



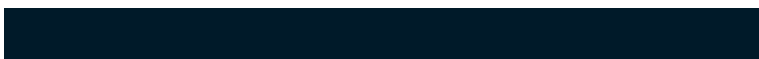
5.6252, 0.1533, 0.0717



12.6621, 0.2983, 0.3204



13.5164, 0.1910, 0.2076



0.9032, 0.1979, 0.2324

Inverse Universe

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



15.2828, 0.4385, 0.2191



23.9150, 0.4406, 0.2201



45.2731, 0.4486, 0.4819



11.9339, 0.3192, 0.3142



9.4358, 0.4367, 0.2180



0.5425, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 21.6536, 0.1906, 0.2060 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 21.6536, 0.1906, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

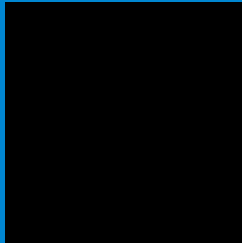
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6536, 0.1906, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 21.6536, 0.1906, 0.2060.

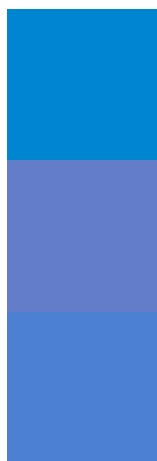


This preview shows how white text looks on a background with the Yxy color 21.6536, 0.1906, 0.2060.

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

21.6536, 0.1906, 0.2060

Protanopia

21.5369, 0.2240, 0.2096

Deuteranopia

21.5873, 0.2064, 0.2002



Tritanopia

21.6130, 0.2191, 0.3087

Trichromacy



Original Color

21.6536, 0.1906, 0.2060

Protanomaly

20.8547, 0.2035, 0.2053

Deuteranomaly

21.2468, 0.1964, 0.2003

Tritanomaly

21.4824, 0.2070, 0.2650

Monochromacy



Original Color

21.6536, 0.1906, 0.2060

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.1459, 0.2343, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6536, 0.1906, 0.2060 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, 134, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 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(0, 134, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 209) }
```

Border

The CSS property to change the border of an element to Yxy 21.6536, 0.1906, 0.2060 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, 134, 209) }
```

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

```
.border{ border-color:rgb(0, 134, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6536, 0.1906, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 209) }
```

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

```
.background{ background-color: rgb(0, 134,  
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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