

Converting Colors

$Yxy(21.1974, 0.1889, 0.1830)$

Have a look what the booklet for
Yxy(21.1974, 0.1889, 0.1830)
contains.

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Color

Yxy(21.1974, 0.1889, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	2780DF
RGB	39, 128, 223
RGB Percent	15%, 50%, 87%
CMY	0.8463, 0.4981, 0.1255
CMYK	0.82, 0.43, 0.00, 0.13
HSL	211°, 74%, 51%
HSV	211°, 82%, 87%
XYZ	21.8808, 21.1974, 72.7546
YIQ	112.2190, -83.5390, 10.6770

Conversions

Conversions Part 2

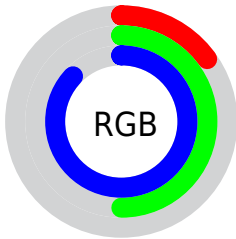
Format	Color
R_{YB}	39, 99, 223
Decimal	2588895
CIE _{Lab}	53.16, 8.32, -55.60
CIE _{LCh}	53, 56.218, 278.506
Yxy	21.1974, 0.1889, 0.1830
Android (android.graphics.Color)	4280778975 (0xFF2780DF)
YUV	112.2190, 54.6150, -64.2131
Hunter-Lab	46.0406, 4.2610, -61.4631

Details

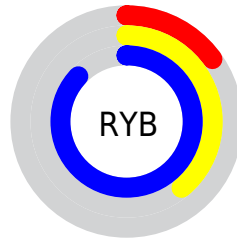
The Yxy color **21.1974, 0.1889, 0.1830** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **32.9469, 0.5012, 0.4196**, and the grayscale version is **16.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5074, 0.2231, 0.2342**, and **8.5273, 0.1756, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **18.0429, 0.1802, 0.1638**, and if you desaturate by 10%, it is **24.9506, 0.2001, 0.2031**.

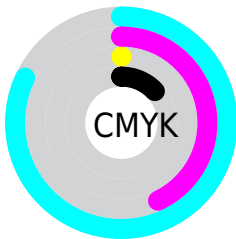
Distribution



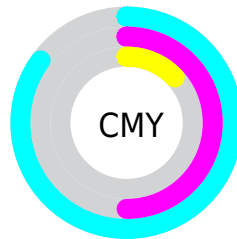
- Red (15%)
- Green (50%)
- Blue (87%)



- Red (15%)
- Yellow (39%)
- Blue (87%)



- Cyan (82%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (85%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1974, 0.1889, 0.1830 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 21.1974, 0.1889, 0.1830 by changing the saturation by 10% instead.

■ 21.1974, 0.1889,
0.1830

■ 21.1974, 0.1889,
0.1830

258.3257, 0.2540,
0.2578

■ 13.2684, 0.1726,
0.1650

■ 45.4158, 0.2128,
0.2100

■ 7.6136, 0.1522,
0.1426

■ 62.4740, 0.2218,
0.2202

■ 3.8487, 0.1262,
0.1150

■ 83.3441, 0.2293,
0.2289

■ 1.5893, 0.0935,
0.0812

■ 108.4103, 0.2357,
0.2364

■ 0.3504, 0.0517,
0.0338

■ 138.0572, 0.2413,
0.2428

■ 0.0000, 0.0000,
0.0000

172.6692, 0.2461,

0.2484

212.6305, 0.2503,
0.2534

■ 21.1974, 0.1889,
0.1830

■ 21.1974, 0.1889,
0.1830

■ 18.0429, 0.1802,
0.1638

■ 24.9506, 0.2001,
0.2031

■ 15.9951, 0.1750,
0.1501

■ 29.3506, 0.2134,
0.2234

■ 34.4406, 0.2282,
0.2434

■ 40.2588, 0.2442,
0.2626

■ 46.8398, 0.2607,
0.2806

■ 54.2156, 0.2772,
0.2973

■ 62.4164, 0.2934,
0.3124

■ 71.4701, 0.3090,
0.3259

■ 81.4035, 0.3239,
0.3380

Harmonies

Analogous

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



21.1974, 0.1531, 0.1996



21.1974, 0.1889, 0.1830



21.1974, 0.2590, 0.1953

Triad

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



21.1974, 0.1889, 0.1830



21.1974, 0.5093, 0.3546



21.1974, 0.2479, 0.4653

Complementary

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



21.1974, 0.1889, 0.1830



32.9469, 0.5012, 0.4196

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.



21.1974, 0.3391, 0.5189



21.1974, 0.1889, 0.1830



21.1974, 0.4934, 0.4248

Square

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



21.1974, 0.1889, 0.1830



21.1974, 0.4583, 0.2887



21.1974, 0.4283, 0.4905



21.1974, 0.1799, 0.3515

Rectangle

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



21.1974, 0.1889, 0.1830



21.1974, 0.3236, 0.2177



21.1974, 0.4283, 0.4905



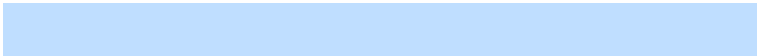
21.1974, 0.2770, 0.4931

Sweetspot

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



21.1980, 0.1889, 0.1830



70.5951, 0.2726, 0.2928



54.9400, 0.2673, 0.4654



14.3492, 0.2668, 0.2869



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.



21.1980, 0.1889, 0.1830



21.7766, 0.1753, 0.1506



7.2897, 0.1619, 0.0786



14.3305, 0.2981, 0.3166



9.6285, 0.1758, 0.1528



0.8461, 0.1837, 0.1813

Inverse Universe

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



18.7111, 0.4616, 0.2464



22.7832, 0.5050, 0.2560



68.1335, 0.4121, 0.4991



13.8103, 0.3217, 0.3177



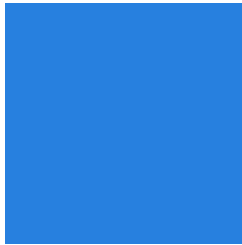
9.8800, 0.5023, 0.2541



0.7029, 0.4670, 0.2346

Previews

White Background



This preview shows how the Yxy color 21.1974, 0.1889, 0.1830 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 21.1974, 0.1889, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

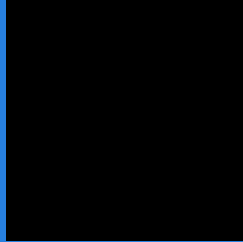
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

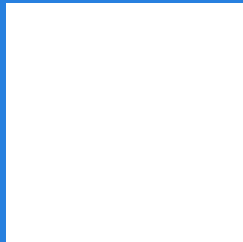
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1974, 0.1889, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 21.1974, 0.1889, 0.1830.



This preview shows how white text looks on a background with the Yxy color 21.1974, 0.1889, 0.1830.

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

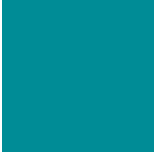
21.1974, 0.1889, 0.1830

Protanopia

21.1127, 0.2058, 0.1857

Deuteranopia

21.1974, 0.1889, 0.1830



Tritanopia

20.9582, 0.2190, 0.3084

Trichromacy



Original Color

21.1974, 0.1889, 0.1830

Protanomaly

21.0635, 0.1981, 0.1843

Deuteranomaly

21.1974, 0.1889, 0.1830

Tritanomaly

20.8760, 0.2050, 0.2530

Monochromacy



Original Color

21.1974, 0.1889, 0.1830

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.2023, 0.2445, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1974, 0.1889, 0.1830 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(39, 128, 223)` looks like.

```
.text, #text, p{  
    color:rgb(39, 128, 223)  
}
```

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(39, 128, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 128, 223) }
```

Border

The CSS property to change the border of an element to Yxy 21.1974, 0.1889, 0.1830 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(39, 128, 223) }
```

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

```
.border{ border-color:rgb(39, 128, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 128, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 128, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 128, 223);  
box-shadow:4px 4px 4px 4px rgb(39, 128,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1974, 0.1889, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 128, 223) }
```

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

```
.background{ background-color: rgb(39, 128,  
223) }
```

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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