

Converting Colors

$Yxy(18.1619, 0.1396, 0.1607)$

Have a look what the booklet for
Yxy(18.1619, 0.1396, 0.1607)
contains.

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Color

Yxy(21.5267, 0.1819, 0.1746)

Conversions

Conversions Part 1

Format	Color
Hex	0181E8
RGB	1, 129, 232
RGB Percent	0%, 51%, 91%
CMY	0.9965, 0.4942, 0.0901
CMYK	1.00, 0.44, 0.00, 0.09
HSL	207°, 99%, 46%
HSV	207°, 100%, 91%
XYZ	22.4267, 21.5267, 79.3381
YIQ	102.4700, -109.3510, 4.8970

Conversions

Conversions Part 2

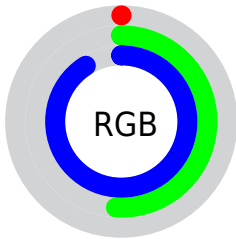
Format	Color
R _Y B	1, 83, 232
Decimal	98792
CIE Lab	53.52, 9.31, -60.11
CIE LCh	54, 60.824, 278.802
Yxy	21.5267, 0.1819, 0.1746
Android (android.graphics.Color)	4278288872 (0xFF0181E8)
YUV	102.4700, 63.8583, -88.9892
Hunter-Lab	46.3969, 5.0865, -68.9074

Details

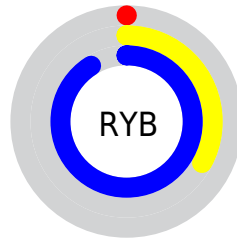
The Yxy color **21.5267, 0.1819, 0.1746** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **27.0537, 0.5580, 0.3948**, and the grayscale version is **13.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3319, 0.2194, 0.2346**, and **9.0194, 0.1737, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **21.4163, 0.1817, 0.1740**, and if you desaturate by 10%, it is **24.5812, 0.1883, 0.1911**.

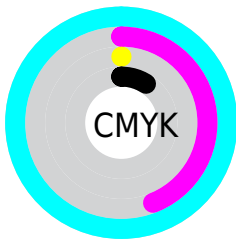
Distribution



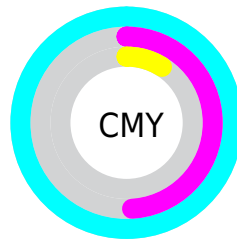
- Red (0%)
- Green (51%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5267, 0.1819, 0.1746 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 21.5267, 0.1819, 0.1746 by changing the saturation by 10% instead.

■ 21.5267, 0.1819,
0.1746

■ 21.5267, 0.1819,
0.1746

260.0645, 0.2499,
0.2525

■ 13.5095, 0.1653,
0.1563

■ 45.9625, 0.2066,
0.2024

■ 7.7803, 0.1447,
0.1339

■ 63.1499, 0.2159,
0.2130

■ 3.9547, 0.1189,
0.1067

■ 84.1628, 0.2238,
0.2221

■ 1.6483, 0.0872,
0.0742

■ 109.3857, 0.2306,
0.2299

■ 0.3898, 0.0490,
0.0319

■ 139.2029, 0.2364,
0.2367

■ 0.0000, 0.0000,
0.0000

173.9989, 0.2415,

0.2426

214.1579, 0.2460,
0.2479

■ 21.5267, 0.1819,
0.1746

■ 21.5267, 0.1819,
0.1746

■ 21.4163, 0.1817,
0.1740

■ 24.5812, 0.1883,
0.1911

■ 28.1454, 0.1969,
0.2083

■ 32.2941, 0.2077,
0.2258

■ 37.0753, 0.2204,
0.2432

■ 42.5302, 0.2347,
0.2602

■ 48.6954, 0.2500,
0.2764

■ 55.6045, 0.2659,
0.2915

■ 63.2884, 0.2819,
0.3054

■ 71.7759, 0.2978,
0.3181

Harmonies

Analogous

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



21.5267, 0.1444, 0.1910



21.5267, 0.1819, 0.1746



21.5267, 0.2559, 0.1880

Triad

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



21.5267, 0.1819, 0.1746



21.5267, 0.5232, 0.3544



21.5267, 0.2413, 0.4764

Complementary

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



21.5267, 0.1819, 0.1746



27.0537, 0.5580, 0.3948

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.



21.5267, 0.3375, 0.5340



21.5267, 0.1819, 0.1746



21.5267, 0.5035, 0.4283

Square

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



21.5267, 0.1819, 0.1746



21.5267, 0.4701, 0.2858



21.5267, 0.4324, 0.5001



21.5267, 0.1705, 0.3511

Rectangle

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



21.5267, 0.1819, 0.1746



21.5267, 0.3249, 0.2114



21.5267, 0.4324, 0.5001



21.5267, 0.2719, 0.5070

Sweetspot

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



21.5273, 0.1819, 0.1746



68.3995, 0.2650, 0.2907



58.6760, 0.2790, 0.5243



13.8439, 0.2582, 0.2844



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.



21.5273, 0.1819, 0.1746



26.3592, 0.1814, 0.1732



6.2134, 0.1511, 0.0636



15.2049, 0.2981, 0.3183



12.1415, 0.1824, 0.1766



1.0819, 0.1891, 0.2008

Inverse Universe

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



18.7644, 0.4750, 0.2392



23.1921, 0.4768, 0.2400



66.5928, 0.4315, 0.4954



14.5010, 0.3206, 0.3161



10.4234, 0.4726, 0.2377



0.7889, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 21.5267, 0.1819, 0.1746 looks on a white background.

Color Contrast Check

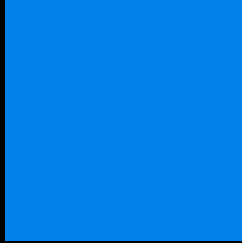
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5267, 0.1819, 0.1746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

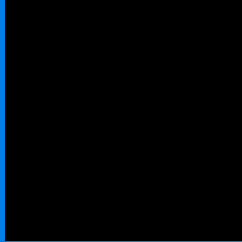
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

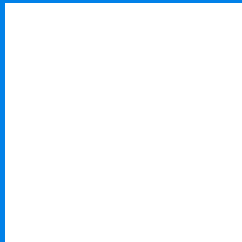
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5267, 0.1819, 0.1746

Background



This preview shows how black text looks on a background with the Yxy color 21.5267, 0.1819, 0.1746.



This preview shows how white text looks on a background with the Yxy color 21.5267, 0.1819, 0.1746.

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

21.5332, 0.1819, 0.1747

Protanopia

21.5811, 0.1995, 0.1778

Deuteranopia

21.6224, 0.1830, 0.1789



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5332, 0.1819, 0.1747

Protanomaly

21.2570, 0.1891, 0.1754

Deuteranomaly

21.6784, 0.1828, 0.1780

Tritanomaly

21.1866, 0.2028, 0.2500

Monochromacy



Original Color

21.5332, 0.1819, 0.1747

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.8821, 0.2276, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5267, 0.1819, 0.1746 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 129, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 129, 232) }
```

Border

The CSS property to change the border of an element to Yxy 21.5267, 0.1819, 0.1746 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, 232) }
```

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

```
.border{ border-color:rgb(1, 129, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 129, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 129, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 129,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5267, 0.1819, 0.1746 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, 232) }
```

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

```
.background{ background-color: rgb(1, 129,  
232) }
```

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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