

Converting Colors

$Yxy(21.5148, 0.1871, 0.1813)$

Have a look what the booklet for
 $Y_{xy}(21.5148, 0.1871, 0.1813)$
contains.

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Color

Yxy(21.5148, 0.1871, 0.1813)

Conversions

Conversions Part 1

Format	Color
Hex	2181E2
RGB	33, 129, 226
RGB Percent	13%, 51%, 89%
CMY	0.8712, 0.4941, 0.1136
CMYK	0.85, 0.43, 0.00, 0.11
HSL	210°, 77%, 51%
HSV	210°, 85%, 89%
XYZ	22.2031, 21.5148, 74.9517
YIQ	111.3540, -88.3530, 9.8150

Conversions

Conversions Part 2

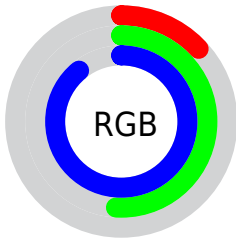
Format	Color
R _Y B	33, 97, 226
Decimal	2195938
CIE Lab	53.51, 8.33, -56.75
CIE LCh	54, 57.358, 278.352
Yxy	21.5148, 0.1871, 0.1813
Android (android.graphics.Color)	4280386018 (0xFF2181E2)
YUV	111.3540, 56.5205, -68.7165
Hunter-Lab	46.3840, 4.2722, -63.3375

Details

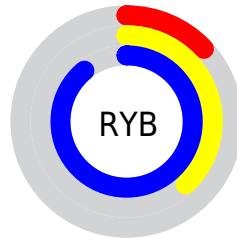
The Yxy color **21.5148, 0.1871, 0.1813** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **32.2070, 0.5119, 0.4163**, and the grayscale version is **15.8433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7785, 0.2224, 0.2353**, and **8.7871, 0.1753, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **18.4346, 0.1793, 0.1629**, and if you desaturate by 10%, it is **25.1779, 0.1974, 0.2007**.

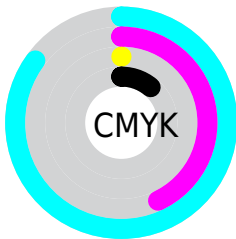
Distribution



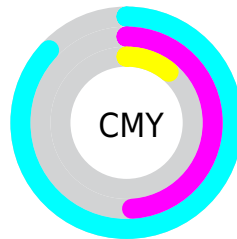
- Red (13%)
- Green (51%)
- Blue (89%)



- Red (13%)
- Yellow (38%)
- Blue (89%)



- Cyan (85%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5148, 0.1871, 0.1813 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 21.5148, 0.1871, 0.1813 by changing the saturation by 10% instead.

■ 21.5148, 0.1871,
0.1813

■ 21.5148, 0.1871,
0.1813

260.0019, 0.2529,
0.2566

■ 13.5008, 0.1708,
0.1633

■ 45.9427, 0.2112,
0.2084

■ 7.7743, 0.1504,
0.1410

■ 63.1255, 0.2202,
0.2187

■ 3.9509, 0.1246,
0.1136

■ 84.1333, 0.2278,
0.2274

■ 1.6461, 0.0923,
0.0803

■ 109.3506, 0.2343,
0.2349

■ 0.3884, 0.0520,
0.0353

■ 139.1616, 0.2399,
0.2415

■ 0.0000, 0.0000,
0.0000

173.9510, 0.2448,

0.2471

214.1029, 0.2491,
0.2522

■ 21.5148, 0.1871,
0.1813

■ 21.5148, 0.1871,
0.1813

■ 18.4346, 0.1793,
0.1629

■ 25.1779, 0.1974,
0.2007

■ 17.1958, 0.1764,
0.1549

■ 29.4756, 0.2098,
0.2204

■ 34.4537, 0.2241,
0.2400

■ 40.1518, 0.2396,
0.2589

■ 46.6059, 0.2558,
0.2768

■ 53.8491, 0.2722,
0.2934

■ 61.9121, 0.2885,
0.3085

■ 70.8238, 0.3043,
0.3222

■ 80.6115, 0.3195,
0.3343

Harmonies

Analogous

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



21.5148, 0.1512, 0.1981



21.5148, 0.1871, 0.1813



21.5148, 0.2578, 0.1937

Triad

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



21.5148, 0.1871, 0.1813



21.5148, 0.5120, 0.3541



21.5148, 0.2472, 0.4682

Complementary

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



21.5148, 0.1871, 0.1813



32.2070, 0.5119, 0.4163

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.



21.5148, 0.3395, 0.5220



21.5148, 0.1871, 0.1813



21.5148, 0.4958, 0.4250

Square

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



21.5148, 0.1871, 0.1813



21.5148, 0.4600, 0.2876



21.5148, 0.4298, 0.4921



21.5148, 0.1784, 0.3523

Rectangle

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



21.5148, 0.1871, 0.1813



21.5148, 0.3231, 0.2161



21.5148, 0.4298, 0.4921



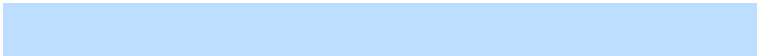
21.5148, 0.2767, 0.4964

Sweetspot

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



21.5154, 0.1871, 0.1813



70.0867, 0.2711, 0.2923



56.3234, 0.2691, 0.4763



14.2706, 0.2653, 0.2866



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.



21.5154, 0.1871, 0.1813



22.3843, 0.1761, 0.1537



6.8913, 0.1579, 0.0731



14.3649, 0.2981, 0.3169



10.0452, 0.1771, 0.1576



0.8753, 0.1849, 0.1856

Inverse Universe

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



18.8364, 0.4645, 0.2439



22.7909, 0.5011, 0.2534



70.6882, 0.4159, 0.4995



13.8138, 0.3214, 0.3174



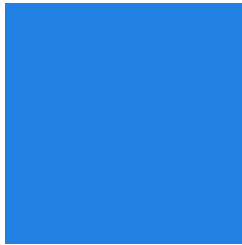
9.9221, 0.4961, 0.2507



0.7058, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 21.5148, 0.1871, 0.1813 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 21.5148, 0.1871, 0.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

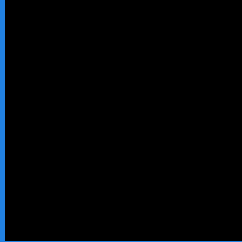
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

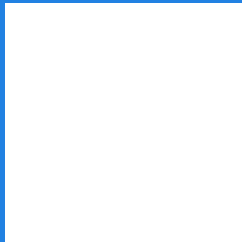
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5148, 0.1871, 0.1813

Background



This preview shows how black text looks on a background with the Yxy color 21.5148, 0.1871, 0.1813.



This preview shows how white text looks on a background with the Yxy color 21.5148, 0.1871, 0.1813.

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

21.5148, 0.1871, 0.1813

Protanopia

21.4748, 0.2043, 0.1842

Deuteranopia

21.5148, 0.1871, 0.1813



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5148, 0.1871, 0.1813

Protanomaly

21.3732, 0.1961, 0.1826

Deuteranomaly

21.5148, 0.1871, 0.1813

Tritanomaly

21.1838, 0.2049, 0.2533

Monochromacy



Original Color

21.5148, 0.1871, 0.1813

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.0958, 0.2412, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5148, 0.1871, 0.1813 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(33, 129, 226)` looks like.

```
.text, #text, p{  
    color:rgb(33, 129, 226)  
}
```

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(33, 129, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 129, 226) }
```

Border

The CSS property to change the border of an element to Yxy 21.5148, 0.1871, 0.1813 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(33, 129, 226) }
```

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

```
.border{ border-color:rgb(33, 129, 226) }
```

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

Here you see how a box with a 4 pixel rgb(33, 129, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 129, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 129, 226);  
box-shadow:4px 4px 4px 4px rgb(33, 129,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5148, 0.1871, 0.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 129, 226) }
```

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

```
.background{ background-color: rgb(33, 129,  
226) }
```

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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