

Converting Colors

$Yxy(15.0544, 0.0853, 0.1899)$

Have a look what the booklet for
Yxy(15.0544, 0.0853, 0.1899)
contains.

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Color

Yxy(21.4981, 0.1940, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	0087C8
RGB	0, 135, 200
RGB Percent	0%, 53%, 78%
CMY	1.0000, 0.4706, 0.2156
CMYK	1.00, 0.33, 0.00, 0.22
HSL	200°, 100%, 39%
HSV	200°, 100%, 78%
XYZ	19.0876, 21.4981, 57.8038
YIQ	102.0450, -101.3250, -8.4050

Conversions

Conversions Part 2

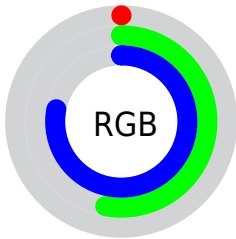
Format	Color
RYB	0, 81, 200
Decimal	34760
CIELab	53.49, -6.73, -42.13
CIELCh	53, 42.665, 260.930
Yxy	21.4981, 0.1940, 0.2185
Android (android.graphics.Color)	4278224840 (0xFF0087C8)
YUV	102.0450, 48.2918, -89.4935
Hunter-Lab	46.3660, -7.6573, -41.4597

Details

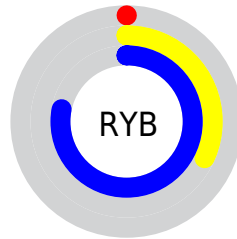
The Yxy color **21.4981, 0.1940, 0.2185** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **16.0662, 0.5908, 0.3691**, and the grayscale version is **13.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7831, 0.2183, 0.2434**, and **8.7309, 0.1864, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **21.5015, 0.1940, 0.2185**, and if you desaturate by 10%, it is **23.5206, 0.1993, 0.2307**.

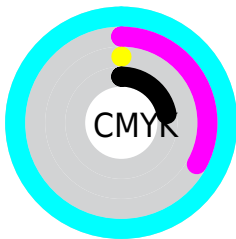
Distribution



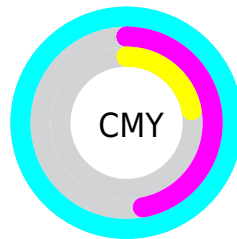
- Red (0%)
- Green (53%)
- Blue (78%)



- Red (0%)
- Yellow (32%)
- Blue (78%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4981, 0.1940, 0.2185 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 21.4981, 0.1940, 0.2185 by changing the saturation by 10% instead.

■ 21.4981, 0.1940,
0.2185

■ 21.4981, 0.1940,
0.2185

■ 259.9139, 0.2569,
0.2783

■ 13.4886, 0.1778,
0.2026

■ 45.9151, 0.2174,
0.2411

■ 7.7658, 0.1572,
0.1821

■ 63.0913, 0.2260,
0.2493

■ 3.9455, 0.1303,
0.1548

■ 84.0919, 0.2333,
0.2562

■ 1.6431, 0.0954,
0.1181

■ 109.3012, 0.2394,
0.2620

■ 0.3864, 0.0312,
0.0594

■ 139.1037, 0.2447,
0.2670

■ 0.0000, 0.0000,
0.0000

■ 173.8837, 0.2493,

0.2713

214.0256, 0.2533,
0.2750

■ 21.4981, 0.1940,
0.2185

■ 21.4981, 0.1940,
0.2185

■ 21.5015, 0.1940,
0.2185

■ 23.5206, 0.1993,
0.2307

■ 25.8061, 0.2062,
0.2430

■ 28.4135, 0.2152,
0.2554

■ 31.3726, 0.2260,
0.2677

■ 34.7091, 0.2385,
0.2797

■ 38.4455, 0.2522,
0.2911

■ 42.6022, 0.2669,
0.3018

■ 47.1981, 0.2820,
0.3117

■ 52.2507, 0.2974,
0.3208

Harmonies

Analogous

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



21.4981, 0.1800, 0.2512



21.4981, 0.1940, 0.2185



21.4981, 0.2357, 0.2137

Triad

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



21.4981, 0.1940, 0.2185



21.4981, 0.4451, 0.3219



21.4981, 0.3072, 0.4594

Complementary

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



21.4981, 0.1940, 0.2185



16.0662, 0.5908, 0.3691

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.



21.4981, 0.3804, 0.4681



21.4981, 0.1940, 0.2185



21.4981, 0.4655, 0.3784

Square

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



21.4981, 0.1940, 0.2185



21.4981, 0.3819, 0.2708



21.4981, 0.4393, 0.4324



21.4981, 0.2395, 0.3970

Rectangle

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



21.4981, 0.1940, 0.2185



21.4981, 0.2780, 0.2238



21.4981, 0.4393, 0.4324



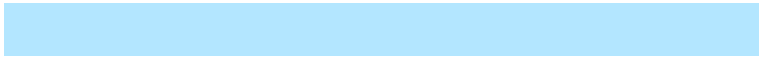
21.4981, 0.3320, 0.4687

Sweetspot

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



21.5015, 0.1940, 0.2185



73.4120, 0.2662, 0.3013



41.6843, 0.2879, 0.5564



15.0381, 0.2599, 0.2968



0.0000, 0.0000, 0.0000



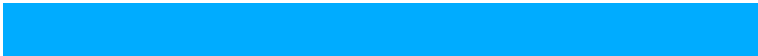
21.4041, 0.3127, 0.3290

Same Dimension

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



21.5015, 0.1940, 0.2185



36.7671, 0.1936, 0.2168



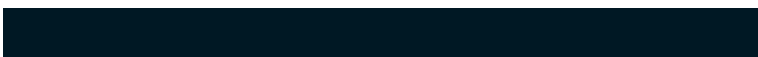
5.4742, 0.1546, 0.0764



11.4639, 0.2984, 0.3213



13.8359, 0.1945, 0.2202



0.7828, 0.2016, 0.2456

Inverse Universe

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



14.0327, 0.4248, 0.2114



24.2428, 0.4267, 0.2124



38.6043, 0.4561, 0.4760



10.7557, 0.3186, 0.3135



8.9367, 0.4230, 0.2104



0.4360, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 21.4981, 0.1940, 0.2185 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 21.4981, 0.1940, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

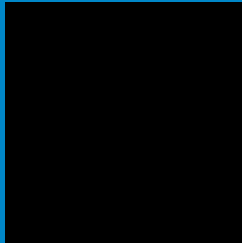
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4981, 0.1940, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 21.4981, 0.1940, 0.2185.

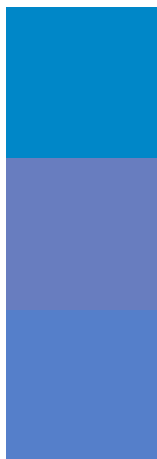


This preview shows how white text looks on a background with the Yxy color 21.4981, 0.1940, 0.2185.

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

21.4981, 0.1940, 0.2185

Protanopia

21.3719, 0.2337, 0.2225

Deuteranopia

21.3743, 0.2152, 0.2091



Tritanopia

21.6130, 0.2191, 0.3087

Trichromacy



Original Color

21.4981, 0.1940, 0.2185

Protanomaly

20.7538, 0.2097, 0.2194

Deuteranomaly

20.9666, 0.2020, 0.2112

Tritanomaly

21.3298, 0.2088, 0.2717

Monochromacy



Original Color

21.4981, 0.1940, 0.2185

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.9934, 0.2366, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4981, 0.1940, 0.2185 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, 135, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 200)  
}
```

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, 135, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 200) }
```

Border

The CSS property to change the border of an element to Yxy 21.4981, 0.1940, 0.2185 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, 135, 200) }
```

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

```
.border{ border-color:rgb(0, 135, 200) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4981, 0.1940, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 200) }
```

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

```
.background{ background-color: rgb(0, 135,  
200) }
```

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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