

Converting Colors

$Y_{xy}(21.5215, 0.1894, 0.1956)$

Have a look what the booklet for
Yxy(21.5215, 0.1894, 0.1956)
contains.

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Color

Yxy(21.5575, 0.1896, 0.1965)

Conversions

Conversions Part 1

Format	Color
Hex	1484D7
RGB	20, 132, 215
RGB Percent	8%, 52%, 84%
CMY	0.9225, 0.4823, 0.1569
CMYK	0.91, 0.39, 0.00, 0.16
HSL	206°, 83%, 46%
HSV	206°, 91%, 84%
XYZ	20.8005, 21.5575, 67.3494
YIQ	107.9740, -93.3950, 2.0690

Conversions

Conversions Part 2

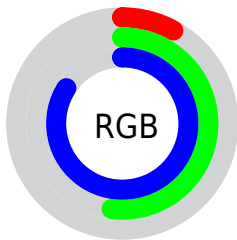
Format	Color
R_{YB}	20, 91, 215
Decimal	1344727
CIE _{Lab}	53.55, 1.51, -50.49
CIE _{LCh}	54, 50.508, 271.711
Yxy	21.5575, 0.1896, 0.1965
Android (android.graphics.Color)	4279534807 (0xFF1484D7)
YUV	107.9740, 52.7638, -77.1532
Hunter-Lab	46.4301, -1.2852, -53.5024

Details

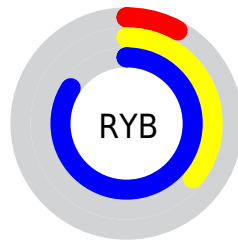
The Yxy color **21.5575, 0.1896, 0.1965** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.1437, 0.5433, 0.3978**, and the grayscale version is **14.8383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9821, 0.2206, 0.2400**, and **8.7246, 0.1794, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **19.2252, 0.1839, 0.1820**, and if you desaturate by 10%, it is **24.4768, 0.1977, 0.2128**.

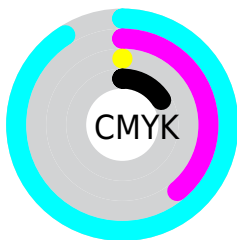
Distribution



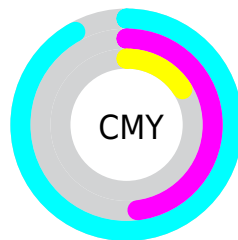
- Red (8%)
- Green (52%)
- Blue (84%)



- Red (8%)
- Yellow (36%)
- Blue (84%)



- Cyan (91%)
- Magenta (39%)
- Yellow (0%)
- Black (16%)



- Cyan (92%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5575, 0.1896, 0.1965 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 21.5575, 0.1896, 0.1965 by changing the saturation by 10% instead.

■ 21.5575, 0.1896,
0.1965

■ 21.5575, 0.1896,
0.1965

260.2266, 0.2543,
0.2658

■ 13.5321, 0.1733,
0.1792

■ 46.0135, 0.2134,
0.2219

■ 7.7960, 0.1528,
0.1574

■ 63.2130, 0.2223,
0.2315

■ 3.9647, 0.1265,
0.1296

■ 84.2393, 0.2298,
0.2395

■ 1.6538, 0.0931,
0.0946

■ 109.4767, 0.2362,
0.2463

■ 0.3935, 0.0460,
0.0441

■ 139.3098, 0.2417,
0.2522

■ 0.0000, 0.0000,
0.0000

174.1229, 0.2465,

0.2574

214.3004, 0.2506,
0.2619

■ 21.5575, 0.1896,
0.1965

■ 21.5575, 0.1896,
0.1965

■ 19.2252, 0.1839,
0.1820

■ 24.4768, 0.1977,
0.2128

■ 27.8595, 0.2079,
0.2294

■ 31.7456, 0.2201,
0.2459

■ 36.1689, 0.2339,
0.2621

■ 41.1595, 0.2488,
0.2774

■ 46.7446, 0.2644,
0.2918

■ 52.9494, 0.2803,
0.3051

■ 59.7973, 0.2960,
0.3173

■ 67.3103, 0.3115,
0.3282

Harmonies

Analogous

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



21.5575, 0.1629, 0.2200



21.5575, 0.1896, 0.1965



21.5575, 0.2474, 0.2018

Triad

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



21.5575, 0.1896, 0.1965



21.5575, 0.4841, 0.3408



21.5575, 0.2737, 0.4661

Complementary

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



21.5575, 0.1896, 0.1965



24.1437, 0.5433, 0.3978

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.



21.5575, 0.3585, 0.4982



21.5575, 0.1896, 0.1965



21.5575, 0.4849, 0.4052

Square

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



21.5575, 0.1896, 0.1965



21.5575, 0.4253, 0.2806



21.5575, 0.4359, 0.4656



21.5575, 0.2042, 0.3735

Rectangle

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



21.5575, 0.1896, 0.1965



21.5575, 0.3024, 0.2192



21.5575, 0.4359, 0.4656



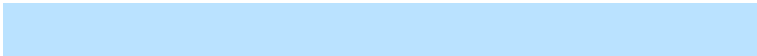
21.5575, 0.3014, 0.4853

Sweetspot

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



21.5582, 0.1896, 0.1965



71.9278, 0.2700, 0.2967



49.6850, 0.2773, 0.5115



14.7434, 0.2646, 0.2920



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.



21.5582, 0.1896, 0.1965



27.9692, 0.1835, 0.1806



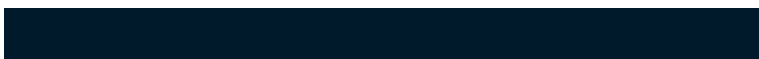
6.3154, 0.1563, 0.0749



13.1825, 0.2982, 0.3188



11.7140, 0.1846, 0.1844



0.8691, 0.1922, 0.2118

Inverse Universe

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



16.6040, 0.4482, 0.2294



23.3547, 0.4679, 0.2351



55.2152, 0.4313, 0.4909



12.5393, 0.3202, 0.3157



9.5274, 0.4634, 0.2326



0.5911, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 21.5575, 0.1896, 0.1965 looks on a white background.

Color Contrast Check

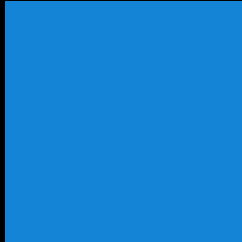
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5575, 0.1896, 0.1965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

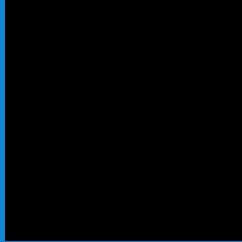
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5575, 0.1896, 0.1965

Background



This preview shows how black text looks on a background with the Yxy color 21.5575, 0.1896, 0.1965.



This preview shows how white text looks on a background with the Yxy color 21.5575, 0.1896, 0.1965.

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

21.5575, 0.1896, 0.1965

Protanopia

21.3491, 0.2166, 0.1993

Deuteranopia

21.4530, 0.1987, 0.1923



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5575, 0.1896, 0.1965

Protanomaly

21.0752, 0.2019, 0.1964

Deuteranomaly

21.2627, 0.1936, 0.1922

Tritanomaly

21.2781, 0.2067, 0.2615

Monochromacy



Original Color

21.5575, 0.1896, 0.1965

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.3657, 0.2396, 0.2684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5575, 0.1896, 0.1965 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(20, 132, 215)` looks like.

```
.text, #text, p{  
    color:rgb(20, 132, 215)  
}
```

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(20, 132, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 132, 215) }
```

Border

The CSS property to change the border of an element to Yxy 21.5575, 0.1896, 0.1965 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(20, 132, 215) }
```

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

```
.border{ border-color:rgb(20, 132, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 132, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 132, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 132, 215);  
box-shadow:4px 4px 4px 4px rgb(20, 132,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5575, 0.1896, 0.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 132, 215) }
```

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

```
.background{ background-color: rgb(20, 132,  
215) }
```

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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