

Converting Colors

$Yxy(21.1844, 0.1926, 0.2061)$

Have a look what the booklet for
Yxy(21.1844, 0.1926, 0.2061)
contains.

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Color

Yxy(21.1670, 0.1923, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	1584CF
RGB	21, 132, 207
RGB Percent	8%, 52%, 81%
CMY	0.9189, 0.4823, 0.1883
CMYK	0.90, 0.36, 0.00, 0.19
HSL	204°, 82%, 45%
HSV	204°, 90%, 81%
XYZ	19.8170, 21.1670, 62.0686
YIQ	107.3610, -90.2310, -0.2070

Conversions

Conversions Part 2

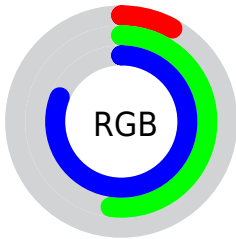
Format	Color
R _Y B	21, 91, 207
Decimal	1410255
CIE Lab	53.13, -1.50, -46.64
CIE LCh	53, 46.663, 268.162
Yxy	21.1670, 0.1923, 0.2054
Android (android.graphics.Color)	4279600335 (0xFF1584CF)
YUV	107.3610, 49.1220, -75.7386
Hunter-Lab	46.0076, -3.6274, -47.7824

Details

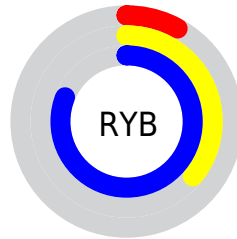
The Yxy color **21.1670, 0.1923, 0.2054** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **21.6215, 0.5465, 0.3937**, and the grayscale version is **14.6631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8610, 0.2197, 0.2398**, and **8.4535, 0.1822, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **18.8432, 0.1862, 0.1904**, and if you desaturate by 10%, it is **23.8416, 0.2003, 0.2209**.

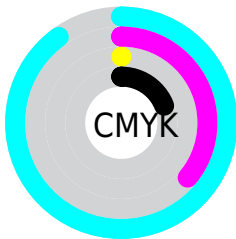
Distribution



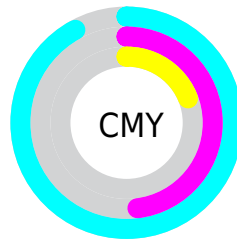
- Red (8%)
- Green (52%)
- Blue (81%)



- Red (8%)
- Yellow (36%)
- Blue (81%)



- Cyan (90%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)



- Cyan (92%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1670, 0.1923, 0.2054 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 21.1670, 0.1923, 0.2054 by changing the saturation by 10% instead.

■ 21.1670, 0.1923,
0.2054

■ 21.1670, 0.1923,
0.2054

■ 258.1647, 0.2560,
0.2711

■ 13.2461, 0.1760,
0.1885

■ 45.3653, 0.2159,
0.2298

■ 7.5983, 0.1553,
0.1670

■ 62.4115, 0.2247,
0.2389

■ 3.8390, 0.1287,
0.1390

■ 83.2683, 0.2320,
0.2465

■ 1.5839, 0.0943,
0.1028

■ 108.3201, 0.2383,
0.2529

■ 0.3467, 0.0390,
0.0462

■ 137.9512, 0.2437,
0.2584

■ 0.0000, 0.0000,
0.0000

172.5461, 0.2483,

0.2632

212.4891, 0.2524,
0.2674

■ 21.1670, 0.1923,
0.2054

■ 21.1670, 0.1923,
0.2054

■ 18.8432, 0.1862,
0.1904

■ 23.8416, 0.2003,
0.2209

■ 26.9242, 0.2104,
0.2365

■ 30.4500, 0.2224,
0.2521

■ 34.4488, 0.2360,
0.2672

■ 38.9468, 0.2506,
0.2815

■ 43.9683, 0.2660,
0.2950

■ 49.5351, 0.2817,
0.3074

■ 55.6681, 0.2973,
0.3188

■ 62.3866, 0.3127,
0.3290

Harmonies

Analogous

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



21.1670, 0.1702, 0.2320



21.1670, 0.1923, 0.2054



21.1670, 0.2439, 0.2072

Triad

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



21.1670, 0.1923, 0.2054



21.1670, 0.4684, 0.3343



21.1670, 0.2863, 0.4623

Complementary

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



21.1670, 0.1923, 0.2054



21.6215, 0.5465, 0.3937

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.



21.1670, 0.3663, 0.4853



21.1670, 0.1923, 0.2054



21.1670, 0.4767, 0.3953

Square

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



21.1670, 0.1923, 0.2054



21.1670, 0.4083, 0.2777



21.1670, 0.4365, 0.4524



21.1670, 0.2178, 0.3819

Rectangle

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



21.1670, 0.1923, 0.2054



21.1670, 0.2936, 0.2219



21.1670, 0.4365, 0.4524



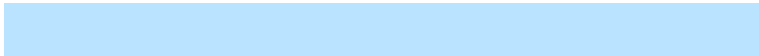
21.1670, 0.3128, 0.4775

Sweetspot

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



21.1677, 0.1923, 0.2054



72.7762, 0.2702, 0.2985



45.6089, 0.2784, 0.5143



14.9437, 0.2648, 0.2940



0.0000, 0.0000, 0.0000



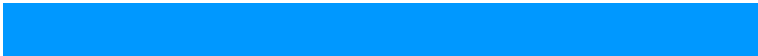
21.4041, 0.3127, 0.3290

Same Dimension

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



21.1677, 0.1923, 0.2054



29.7999, 0.1858, 0.1887



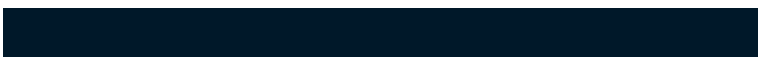
6.1324, 0.1577, 0.0786



12.5756, 0.2983, 0.3194



12.0625, 0.1868, 0.1925



0.8278, 0.1945, 0.2202

Inverse Universe

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



15.4557, 0.4381, 0.2245



23.5395, 0.4583, 0.2298



49.4394, 0.4337, 0.4881



11.9251, 0.3198, 0.3152



9.2890, 0.4539, 0.2274



0.5349, 0.4231, 0.2104

Previews

White Background



This preview shows how the Yxy color 21.1670, 0.1923, 0.2054 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 21.1670, 0.1923, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

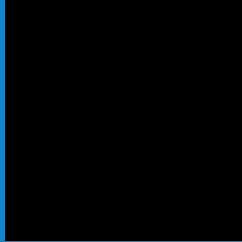
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1670, 0.1923, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 21.1670, 0.1923, 0.2054.



This preview shows how white text looks on a background with the Yxy color 21.1670, 0.1923, 0.2054.

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

21.1670, 0.1923, 0.2054

Protanopia

21.1355, 0.2242, 0.2101

Deuteranopia

21.1493, 0.2059, 0.2005



Tritanopia

20.9582, 0.2190, 0.3084

Trichromacy



Original Color

21.1670, 0.1923, 0.2054

Protanomaly

20.7451, 0.2071, 0.2068

Deuteranomaly

21.0389, 0.1987, 0.2015

Tritanomaly

20.8832, 0.2076, 0.2644

Monochromacy



Original Color

21.1670, 0.1923, 0.2054

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.0105, 0.2424, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1670, 0.1923, 0.2054 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(21, 132, 207)` looks like.

```
.text, #text, p{  
    color:rgb(21, 132, 207)  
}
```

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(21, 132, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 132, 207) }
```

Border

The CSS property to change the border of an element to Yxy 21.1670, 0.1923, 0.2054 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(21, 132, 207) }
```

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

```
.border{ border-color:rgb(21, 132, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 132, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 132, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 132, 207);  
box-shadow:4px 4px 4px 4px rgb(21, 132,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1670, 0.1923, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 132, 207) }
```

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

```
.background{ background-color: rgb(21, 132,  
207) }
```

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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