

Converting Colors

$Y_{xy}(12.2956, 0.0370, 0.1319)$

Have a look what the booklet for
Yxy(12.2956, 0.0370, 0.1319)
contains.

Yxy(22.2721, 0.1834, 0.1801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2721, 0.1834, 0.1801)

Conversions

Conversions Part 1

Format	Color
Hex	0084E7
RGB	0, 132, 231
RGB Percent	0%, 52%, 91%
CMY	0.9981, 0.4824, 0.0941
CMYK	1.00, 0.43, 0.00, 0.09
HSL	206°, 100%, 45%
HSV	206°, 100%, 91%
XYZ	22.6802, 22.2721, 78.7129
YIQ	103.8180, -110.4510, 2.8050

Conversions

Conversions Part 2

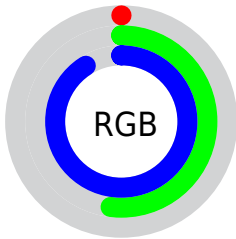
Format	Color
R _{YB}	0, 84, 231
Decimal	34023
CIE Lab	54.31, 7.05, -58.27
CIE LCh	54, 58.690, 276.896
Yxy	22.2721, 0.1834, 0.1801
Android (android.graphics.Color)	4278224103 (0xFF0084E7)
YUV	103.8180, 62.7007, -91.0484
Hunter-Lab	47.1933, 3.1953, -65.8534

Details

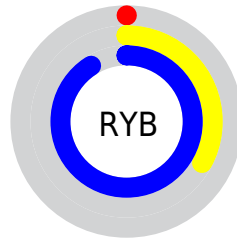
The Yxy color **22.2721, 0.1834, 0.1801** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **26.0108, 0.5631, 0.3909**, and the grayscale version is **13.6827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5652, 0.2203, 0.2386**, and **9.4358, 0.1755, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **22.2140, 0.1833, 0.1798**, and if you desaturate by 10%, it is **25.2790, 0.1897, 0.1961**.

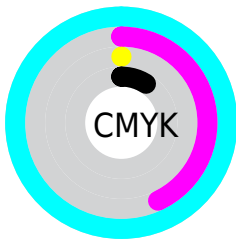
Distribution



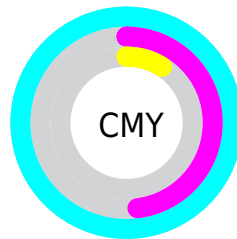
- Red (0%)
- Green (52%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2721, 0.1834, 0.1801 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 22.2721, 0.1834, 0.1801 by changing the saturation by 10% instead.

■ 22.2721, 0.1834,
0.1801

■ 22.2721, 0.1834,
0.1801

263.9640, 0.2504,
0.2556

■ 14.0570, 0.1670,
0.1622

■ 47.1953, 0.2077,
0.2071

■ 8.1603, 0.1467,
0.1402

■ 64.6722, 0.2169,
0.2174

■ 4.1977, 0.1212,
0.1132

■ 86.0051, 0.2247,
0.2262

■ 1.7848, 0.0897,
0.0806

■ 111.5784, 0.2314,
0.2338

■ 0.4776, 0.0515,
0.0393

■ 141.7766, 0.2371,
0.2403

■ 0.0000, 0.0000,
0.0000

176.9840, 0.2421,

0.2460

217.5850, 0.2465,
0.2511

■ 22.2721, 0.1834,
0.1801

■ 22.2721, 0.1834,
0.1801

■ 22.2140, 0.1833,
0.1798

■ 25.2790, 0.1897,
0.1961

■ 28.7697, 0.1980,
0.2126

■ 32.8194, 0.2085,
0.2295

■ 37.4746, 0.2209,
0.2463

■ 42.7756, 0.2349,
0.2626

■ 48.7578, 0.2500,
0.2781

■ 55.4538, 0.2658,
0.2927

■ 62.8936, 0.2817,
0.3061

■ 71.1049, 0.2976,
0.3183

Harmonies

Analogous

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



22.2721, 0.1489, 0.1985



22.2721, 0.1834, 0.1801



22.2721, 0.2529, 0.1913

Triad

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



22.2721, 0.1834, 0.1801



22.2721, 0.5132, 0.3506



22.2721, 0.2505, 0.4747

Complementary

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



22.2721, 0.1834, 0.1801



26.0108, 0.5631, 0.3909

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.



22.2721, 0.3441, 0.5245



22.2721, 0.1834, 0.1801



22.2721, 0.4996, 0.4220

Square

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



22.2721, 0.1834, 0.1801



22.2721, 0.4575, 0.2840



22.2721, 0.4345, 0.4906



22.2721, 0.1795, 0.3583

Rectangle

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



22.2721, 0.1834, 0.1801



22.2721, 0.3179, 0.2131



22.2721, 0.4345, 0.4906



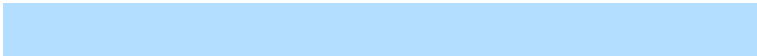
22.2721, 0.2805, 0.5019

Sweetspot

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



22.2727, 0.1834, 0.1801



69.0614, 0.2652, 0.2922



58.0158, 0.2805, 0.5298



14.0010, 0.2585, 0.2861



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.



22.2727, 0.1834, 0.1801



27.6141, 0.1831, 0.1790



6.2627, 0.1513, 0.0646



15.2452, 0.2981, 0.3187



12.7033, 0.1840, 0.1823



1.1223, 0.1905, 0.2057

Inverse Universe

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



18.6669, 0.4684, 0.2355



23.3188, 0.4698, 0.2362



63.9791, 0.4349, 0.4928



14.5051, 0.3203, 0.3157



10.4801, 0.4658, 0.2340



0.7930, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 22.2721, 0.1834, 0.1801 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 22.2721, 0.1834, 0.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

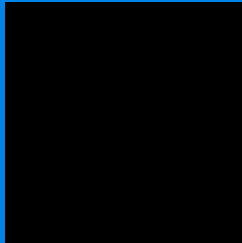
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

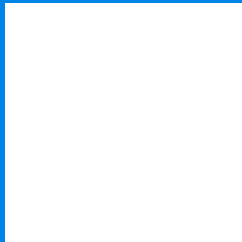
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2721, 0.1834, 0.1801

Background



This preview shows how black text looks on a background with the Yxy color 22.2721, 0.1834, 0.1801.



This preview shows how white text looks on a background with the Yxy color 22.2721, 0.1834, 0.1801.

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

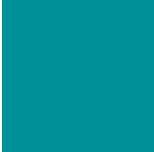
22.2721, 0.1834, 0.1801

Protanopia

22.2892, 0.2044, 0.1837

Deuteranopia

22.2490, 0.1857, 0.1795



Tritanopia

22.2464, 0.2197, 0.3108

Trichromacy



Original Color

22.2721, 0.1834, 0.1801

Protanomaly

21.7687, 0.1917, 0.1806

Deuteranomaly

22.1307, 0.1844, 0.1791

Tritanomaly

22.0924, 0.2040, 0.2544

Monochromacy



Original Color

22.2721, 0.1834, 0.1801

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.3949, 0.2285, 0.2555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2721, 0.1834, 0.1801 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, 132, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 231)  
}
```

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, 132, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 231) }
```

Border

The CSS property to change the border of an element to Yxy 22.2721, 0.1834, 0.1801 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, 132, 231) }
```

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

```
.border{ border-color:rgb(0, 132, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2721, 0.1834, 0.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 231) }
```

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

```
.background{ background-color: rgb(0, 132,  
231) }
```

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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