

Converting Colors

$Y_{xy}(19.7552, 0.0958, 0.1913)$

Have a look what the booklet for
Yxy(19.7552, 0.0958, 0.1913)
contains.

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Color

Yxy(27.1945, 0.1933, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	0096E0
RGB	0, 150, 224
RGB Percent	0%, 59%, 88%
CMY	0.9991, 0.4118, 0.1217
CMYK	1.00, 0.33, 0.00, 0.12
HSL	200°, 100%, 44%
HSV	200°, 100%, 88%
XYZ	24.3591, 27.1945, 74.4635
YIQ	113.5860, -113.1540, -8.7860

Conversions

Conversions Part 2

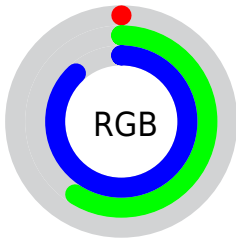
Format	Color
RYB	0, 90, 224
Decimal	38624
CIELab	59.15, -6.34, -46.63
CIELCh	59, 47.061, 262.256
Yxy	27.1945, 0.1933, 0.2158
Android (android.graphics.Color)	4278228704 (0xFF0096E0)
YUV	113.5860, 54.4341, -99.6149
Hunter-Lab	52.1483, -7.8801, -48.1574

Details

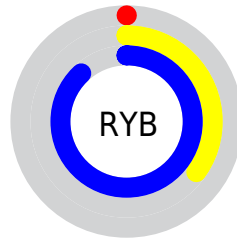
The Yxy color **27.1945, 0.1933, 0.2158** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.7678, 0.5904, 0.3693**, and the grayscale version is **16.5788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3488, 0.2254, 0.2651**, and **11.9415, 0.1866, 0.1917** is the 20% darker color. If you saturate the color by 10%, you get **27.1687, 0.1933, 0.2157**, and if you desaturate by 10%, it is **29.8101, 0.1985, 0.2282**.

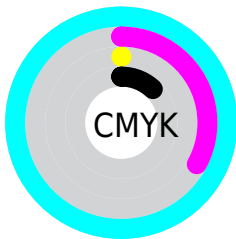
Distribution



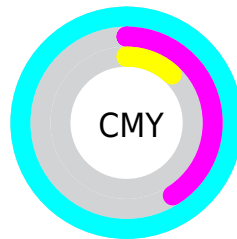
- Red (0%)
- Green (59%)
- Blue (88%)



- Red (0%)
- Yellow (35%)
- Blue (88%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (41%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1945, 0.1933, 0.2158 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 27.1945, 0.1933, 0.2158 by changing the saturation by 10% instead.

 27.1945, 0.1933,
0.2158


 27.1945, 0.1933,
0.2158


288.5976, 0.2541,
0.2746


 17.7194, 0.1785,
0.2011


 55.1958, 0.2153,
0.2373


 10.7487, 0.1599,
0.1824


 74.4908, 0.2236,
0.2454


 5.8981, 0.1363,
0.1584

 97.8278, 0.2307,
0.2522

 2.7832, 0.1063,
0.1271

 125.5913, 0.2367,
0.2580

 1.0196, 0.0688,
0.0868

 158.1656, 0.2419,
0.2630

 0.0000, 0.0000,
0.0000

195.9352, 0.2465,

0.2674

239.2844, 0.2505,
0.2712

■ 27.1945, 0.1933,
0.2158

■ 27.1945, 0.1933,
0.2158

■ 27.1687, 0.1933,
0.2157

■ 29.8101, 0.1985,
0.2282

■ 32.7813, 0.2054,
0.2409

■ 36.1762, 0.2145,
0.2536

■ 40.0348, 0.2254,
0.2662

■ 44.3910, 0.2380,
0.2785

■ 49.2748, 0.2519,
0.2902

■ 54.7133, 0.2667,
0.3012

■ 60.7315, 0.2820,
0.3114

■ 67.3523, 0.2975,
0.3207

Harmonies

Analogous

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



27.1945, 0.1779, 0.2475



27.1945, 0.1933, 0.2158



27.1945, 0.2368, 0.2122

Triad

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



27.1945, 0.1933, 0.2158



27.1945, 0.4497, 0.3240



27.1945, 0.3036, 0.4606

Complementary

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



27.1945, 0.1933, 0.2158



20.7678, 0.5904, 0.3693

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.



27.1945, 0.3782, 0.4716



27.1945, 0.1933, 0.2158



27.1945, 0.4681, 0.3814

Square

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



27.1945, 0.1933, 0.2158



27.1945, 0.3867, 0.2718



27.1945, 0.4393, 0.4361



27.1945, 0.2354, 0.3948

Rectangle

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



27.1945, 0.1933, 0.2158



27.1945, 0.2805, 0.2232



27.1945, 0.4393, 0.4361



27.1945, 0.3288, 0.4708

Sweetspot

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



27.1954, 0.1933, 0.2158



73.1760, 0.2662, 0.3008



53.7522, 0.2882, 0.5574



14.9816, 0.2598, 0.2963



0.0000, 0.0000, 0.0000



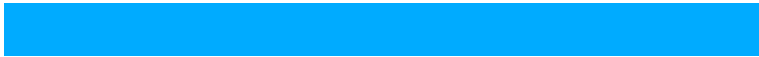
21.4041, 0.3127, 0.3290

Same Dimension

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



27.1954, 0.1933, 0.2158



36.2312, 0.1930, 0.2148



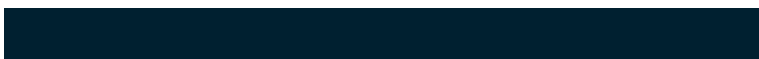
6.9853, 0.1544, 0.0757



14.7688, 0.2982, 0.3211



16.0378, 0.1938, 0.2176



1.2736, 0.1991, 0.2368

Inverse Universe

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



18.0496, 0.4278, 0.2131



24.1887, 0.4289, 0.2136



49.6899, 0.4563, 0.4758



13.8545, 0.3188, 0.3134



10.5271, 0.4259, 0.2120



0.7460, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 27.1945, 0.1933, 0.2158 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 27.1945, 0.1933, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

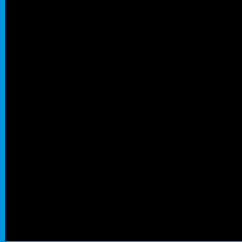
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

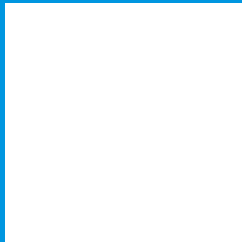
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1945, 0.1933, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 27.1945, 0.1933, 0.2158.



This preview shows how white text looks on a background with the Yxy color 27.1945, 0.1933, 0.2158.

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

27.1945, 0.1933, 0.2158

Protanopia

26.9651, 0.2317, 0.2197

Deuteranopia

27.1641, 0.2134, 0.2077



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



Original Color

27.1945, 0.1933, 0.2158

Protanomaly

26.1233, 0.2078, 0.2152

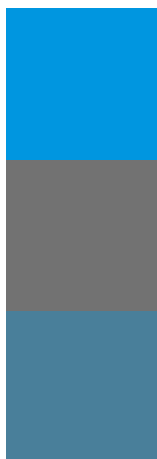
Deuteranomaly

26.6168, 0.2007, 0.2093

Tritanomaly

26.7853, 0.2079, 0.2685

Monochromacy



Original Color

27.1945, 0.1933, 0.2158

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.9283, 0.2362, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1945, 0.1933, 0.2158 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, 150, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 224)  
}
```

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, 150, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 224) }
```

Border

The CSS property to change the border of an element to Yxy 27.1945, 0.1933, 0.2158 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, 150, 224) }
```

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

```
.border{ border-color:rgb(0, 150, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1945, 0.1933, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 224) }
```

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

```
.background{ background-color: rgb(0, 150,  
224) }
```

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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