

Converting Colors

$Y_{xy}(27.3467, 0.1595, 0.2271)$

Have a look what the booklet for
Yxy(27.3467, 0.1595, 0.2271)
contains.

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Color

Yxy(30.8175, 0.1986, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	01A1DF
RGB	1, 161, 223
RGB Percent	0%, 63%, 87%
CMY	0.9976, 0.3686, 0.1256
CMYK	1.00, 0.28, 0.00, 0.13
HSL	197°, 99%, 44%
HSV	197°, 100%, 87%
XYZ	26.0663, 30.8175, 74.3662
YIQ	120.2280, -115.2620, -14.6380

Conversions

Conversions Part 2

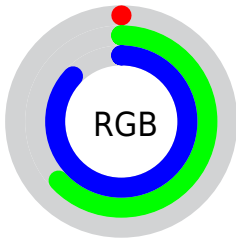
Format	Color
RYB	1, 94, 223
Decimal	106975
CIELab	62.35, -12.88, -41.04
CIELCh	62, 43.012, 252.577
Yxy	30.8175, 0.1986, 0.2348
Android (android.graphics.Color)	4278297055 (0xFF01A1DF)
YUV	120.2280, 50.6666, -104.5630
Hunter-Lab	55.5135, -13.3344, -40.5658

Details

The Yxy color **30.8175, 0.1986, 0.2348** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **19.1946, 0.6026, 0.3594**, and the grayscale version is **18.6809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3350, 0.2292, 0.2808**, and **13.9419, 0.1928, 0.2142** is the 20% darker color. If you saturate the color by 10%, you get **30.7549, 0.1985, 0.2345**, and if you desaturate by 10%, it is **33.2220, 0.2031, 0.2452**.

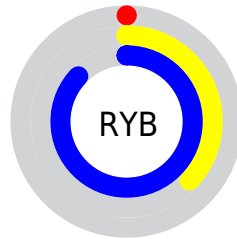
Distribution



Red (0%)

Green (63%)

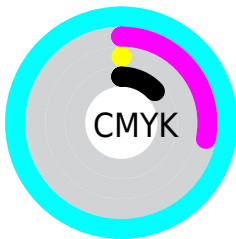
Blue (87%)



Red (0%)

Yellow (37%)

Blue (87%)

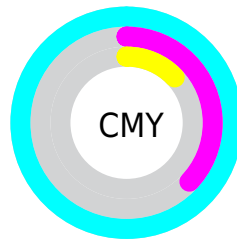


Cyan (100%)

Magenta (28%)

Yellow (0%)

Black (13%)



Cyan (100%)


Magenta (37%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8175, 0.1986, 0.2348 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 30.8175, 0.1986, 0.2348 by changing the saturation by 10% instead.

 30.8175, 0.1986,
0.2348


 30.8175, 0.1986,
0.2348


305.6967, 0.2559,
0.2841


 20.4599, 0.1847,
0.2222


 60.9526, 0.2192,
0.2530

 12.7298, 0.1674,
0.2062


 81.4990, 0.2270,
0.2598


 7.2428, 0.1453,
0.1851

 106.2103, 0.2337,
0.2655

 3.6144, 0.1168,
0.1567

 135.4712, 0.2394,
0.2703

 1.4603, 0.0805,
0.1182

 169.6658, 0.2443,
0.2745

 0.2605, 0.0000,
0.0475

209.1787, 0.2487,

 0.0000, 0.0000,

0.2781

0.0000

254.3942, 0.2525,
0.2813

■ 30.8175, 0.1986,
0.2348

■ 30.8175, 0.1986,
0.2348

■ 30.7549, 0.1985,
0.2345

■ 33.2220, 0.2031,
0.2452

■ 35.9394, 0.2094,
0.2557

■ 39.0348, 0.2177,
0.2663

■ 42.5467, 0.2279,
0.2767

■ 46.5073, 0.2398,
0.2869

■ 50.9455, 0.2531,
0.2966

■ 55.8869, 0.2674,
0.3058

■ 61.3553, 0.2824,
0.3143

■ 67.3725, 0.2977,
0.3221

Harmonies

Analogous

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



30.8175, 0.1931, 0.2731



30.8175, 0.1986, 0.2348



30.8175, 0.2301, 0.2230

Triad

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



30.8175, 0.1986, 0.2348



30.8175, 0.4184, 0.3097



30.8175, 0.3276, 0.4517

Complementary

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



30.8175, 0.1986, 0.2348



19.1946, 0.6026, 0.3594

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.



30.8175, 0.3917, 0.4484



30.8175, 0.1986, 0.2348



30.8175, 0.4491, 0.3611

Square

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



30.8175, 0.1986, 0.2348



30.8175, 0.3555, 0.2651



30.8175, 0.4375, 0.4114



30.8175, 0.2630, 0.4081

Rectangle

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



30.8175, 0.1986, 0.2348



30.8175, 0.2647, 0.2283



30.8175, 0.4375, 0.4114



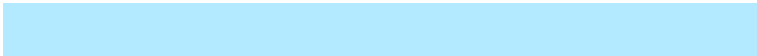
30.8175, 0.3500, 0.4557

Sweetspot

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



30.8185, 0.1986, 0.2348



75.4066, 0.2667, 0.3053



53.0897, 0.2913, 0.5686



15.5160, 0.2605, 0.3015



0.0000, 0.0000, 0.0000



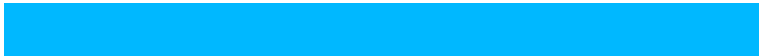
21.4041, 0.3127, 0.3290

Same Dimension

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



30.8185, 0.1986, 0.2348



41.4703, 0.1983, 0.2338



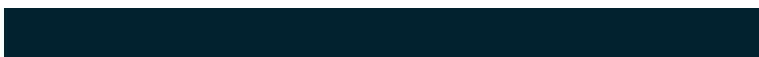
7.8308, 0.1568, 0.0843



14.8927, 0.2982, 0.3223



18.2879, 0.1989, 0.2361



1.4160, 0.2034, 0.2521

Inverse Universe

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



18.2699, 0.4076, 0.2020



24.7176, 0.4087, 0.2025



44.8441, 0.4681, 0.4664



13.8671, 0.3180, 0.3122



10.7542, 0.4063, 0.2012



0.7604, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 30.8175, 0.1986, 0.2348 looks on a white background.

Color Contrast Check

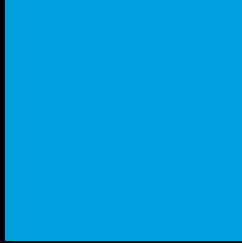
Large Text (above 18pt) WCAG AA × Fail

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 30.8175, 0.1986, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

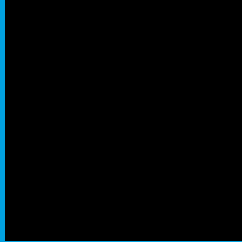
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8175, 0.1986, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 30.8175, 0.1986, 0.2348.



This preview shows how white text looks on a background with the Yxy color 30.8175, 0.1986, 0.2348.

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

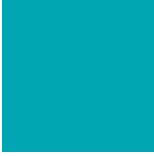
30.8239, 0.1986, 0.2348

Protanopia

30.6791, 0.2458, 0.2380

Deuteranopia

30.5633, 0.2274, 0.2212



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

30.8239, 0.1986, 0.2348



Protanomaly

29.5793, 0.2168, 0.2344



Deuteranomaly

29.6352, 0.2087, 0.2231



Tritanomaly

30.8504, 0.2109, 0.2792

Monochromacy



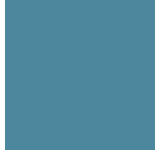
Original Color

30.8239, 0.1986, 0.2348



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3400, 0.2399, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8175, 0.1986, 0.2348 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(1, 161, 223)` looks like.

```
.text, #text, p{  
    color:rgb(1, 161, 223)  
}
```

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(1, 161, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 161, 223) }
```

Border

The CSS property to change the border of an element to Yxy 30.8175, 0.1986, 0.2348 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(1, 161, 223) }
```

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

```
.border{ border-color:rgb(1, 161, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 161, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 161, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 161, 223);  
box-shadow:4px 4px 4px 4px rgb(1, 161,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8175, 0.1986, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 161, 223) }
```

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

```
.background{ background-color: rgb(1, 161,  
223) }
```

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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