

Converting Colors

$Yxy(28.1806, 0.1935, 0.2166)$

Have a look what the booklet for
Yxy(28.1806, 0.1935, 0.2166)
contains.

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Color

$Y_{xy}(28.3285, 0.1937, 0.2173)$

Conversions

Conversions Part 1

Format	Color
Hex	0099E3
RGB	0, 153, 227
RGB Percent	0%, 60%, 89%
CMY	1.0000, 0.4000, 0.1099
CMYK	1.00, 0.33, 0.00, 0.11
HSL	200°, 100%, 45%
HSV	200°, 100%, 89%
XYZ	25.2519, 28.3285, 76.7855
YIQ	115.6890, -114.9420, -9.4220

Conversions

Conversions Part 2

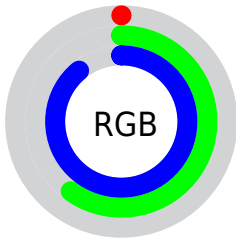
Format	Color
RYB	0, 91, 227
Decimal	39395
CIELab	60.18, -6.95, -46.67
CIELCh	60, 47.183, 261.530
Yxy	28.3285, 0.1937, 0.2173
Android (android.graphics.Color)	4278229475 (0xFF0099E3)
YUV	115.6890, 54.8763, -101.4593
Hunter-Lab	53.2245, -8.4553, -48.2788

Details

The Yxy color **28.3285, 0.1937, 0.2173** 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 **21.2175, 0.5920, 0.3682**, and the grayscale version is **17.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8489, 0.2266, 0.2691**, and **12.4430, 0.1867, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **28.3295, 0.1937, 0.2173**, and if you desaturate by 10%, it is **31.0049, 0.1988, 0.2295**.

Distribution



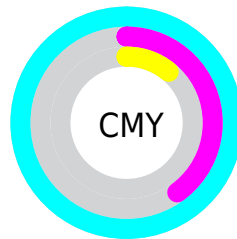
- Red (0%)
- Green (60%)
- Blue (89%)



- Red (0%)
- Yellow (36%)
- Blue (89%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3285, 0.1937, 0.2173 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 28.3285, 0.1937, 0.2173 by changing the saturation by 10% instead.


 28.3285, 0.1937,
0.2173


 28.3285, 0.1937,
0.2173


294.0333, 0.2539,
0.2751

 18.5734, 0.1791,
0.2029


 57.0085, 0.2154,
0.2384

 11.3625, 0.1609,
0.1847


 76.7022, 0.2236,
0.2463


 6.3112, 0.1378,
0.1613


 100.4776, 0.2306,
0.2530

 3.0352, 0.1084,
0.1308

 128.7190, 0.2366,
0.2587

 1.1501, 0.0718,
0.0914

 161.8109, 0.2418,
0.2637

 0.0204, 0.0000,
0.0036

200.1377, 0.2464,

 0.0000, 0.0000,

0.2680

0.0000

244.0837, 0.2504,
0.2717

■ 28.3285, 0.1937,
0.2173

■ 28.3285, 0.1937,
0.2173

■ 28.3295, 0.1937,
0.2173

■ 31.0049, 0.1988,
0.2295

■ 34.0427, 0.2056,
0.2420

■ 37.5128, 0.2146,
0.2546

■ 41.4564, 0.2254,
0.2670

■ 45.9087, 0.2380,
0.2791

■ 50.9005, 0.2518,
0.2906

■ 56.4597, 0.2665,
0.3015

■ 62.6121, 0.2818,
0.3115

■ 69.3813, 0.2973,
0.3207

Harmonies

Analogous

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



28.3285, 0.1791, 0.2495



28.3285, 0.1937, 0.2173



28.3285, 0.2362, 0.2130

Triad

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



28.3285, 0.1937, 0.2173



28.3285, 0.4471, 0.3229



28.3285, 0.3056, 0.4599

Complementary

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



28.3285, 0.1937, 0.2173



21.2175, 0.5920, 0.3682

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.



28.3285, 0.3794, 0.4696



28.3285, 0.1937, 0.2173



28.3285, 0.4667, 0.3798

Square

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



28.3285, 0.1937, 0.2173



28.3285, 0.3841, 0.2712



28.3285, 0.4393, 0.4341



28.3285, 0.2377, 0.3960

Rectangle

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



28.3285, 0.1937, 0.2173



28.3285, 0.2792, 0.2235



28.3285, 0.4393, 0.4341



28.3285, 0.3306, 0.4696

Sweetspot

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



28.3295, 0.1937, 0.2173



73.3780, 0.2662, 0.3013



55.3863, 0.2883, 0.5578



15.0299, 0.2599, 0.2967



0.0000, 0.0000, 0.0000



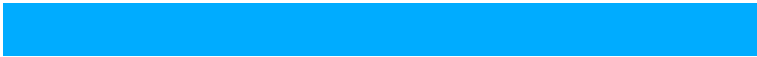
21.4041, 0.3127, 0.3290

Same Dimension

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



28.3295, 0.1937, 0.2173



36.6897, 0.1935, 0.2165



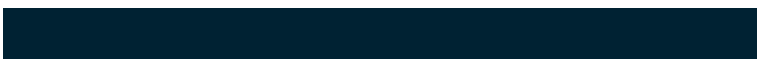
7.1727, 0.1543, 0.0754



15.5032, 0.2981, 0.3212



16.7481, 0.1942, 0.2191



1.4050, 0.1992, 0.2371

Inverse Universe

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



18.6257, 0.4261, 0.2121



24.2350, 0.4270, 0.2126



51.1727, 0.4564, 0.4758



14.5311, 0.3188, 0.3133



10.8884, 0.4242, 0.2110



0.8215, 0.4053, 0.2006

Previews

White Background



This preview shows how the Yxy color 28.3285, 0.1937, 0.2173 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 28.3285, 0.1937, 0.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

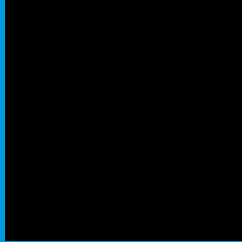
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

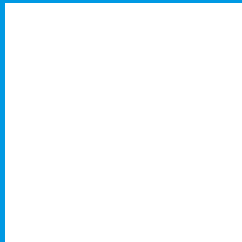
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3285, 0.1937, 0.2173

Background



This preview shows how black text looks on a background with the Yxy color 28.3285, 0.1937, 0.2173.

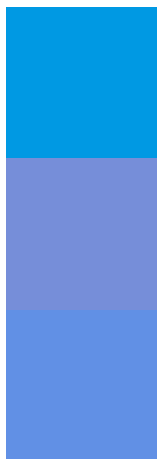


This preview shows how white text looks on a background with the Yxy color 28.3285, 0.1937, 0.2173.

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

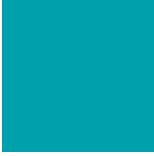
28.3285, 0.1937, 0.2173

Protanopia

28.2073, 0.2329, 0.2214

Deuteranopia

28.1450, 0.2148, 0.2081



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.3285, 0.1937, 0.2173



Protanomaly

27.2741, 0.2085, 0.2168



Deuteranomaly

27.4930, 0.2014, 0.2095



Tritanomaly

27.9197, 0.2082, 0.2695

Monochromacy



Original Color

28.3285, 0.1937, 0.2173



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.5567, 0.2363, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3285, 0.1937, 0.2173 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, 153, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 227)  
}
```

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, 153, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 227) }
```

Border

The CSS property to change the border of an element to Yxy 28.3285, 0.1937, 0.2173 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, 153, 227) }
```

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

```
.border{ border-color:rgb(0, 153, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3285, 0.1937, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 227) }
```

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

```
.background{ background-color: rgb(0, 153,  
227) }
```

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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