

Converting Colors

$Yxy(28.2744, 0.1940, 0.2184)$

Have a look what the booklet for
Yxy(28.2744, 0.1940, 0.2184)
contains.

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Color

Yxy(28.2735, 0.1940, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	0099E2
RGB	0, 153, 226
RGB Percent	0%, 60%, 89%
CMY	1.0000, 0.4000, 0.1138
CMYK	1.00, 0.32, 0.00, 0.11
HSL	199°, 100%, 44%
HSV	199°, 100%, 89%
XYZ	25.1147, 28.2735, 76.0692
YIQ	115.5750, -114.6210, -9.7330

Conversions

Conversions Part 2

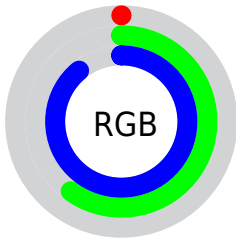
Format	Color
RYB	0, 91, 226
Decimal	39394
CIELab	60.14, -7.32, -46.20
CIELCh	60, 46.774, 260.997
Yxy	28.2735, 0.1940, 0.2184
Android (android.graphics.Color)	4278229474 (0xFF0099E2)
YUV	115.5750, 54.4395, -101.3593
Hunter-Lab	53.1728, -8.7428, -47.5994

Details

The Yxy color **28.2735, 0.1940, 0.2184** 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 **20.9264, 0.5927, 0.3676**, and the grayscale version is **17.1865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8489, 0.2266, 0.2691**, and **12.4050, 0.1870, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **28.2751, 0.1940, 0.2184**, and if you desaturate by 10%, it is **30.9150, 0.1990, 0.2305**.

Distribution



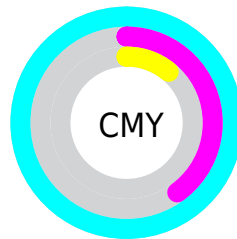
- Red (0%)
- Green (60%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2735, 0.1940, 0.2184 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 28.2735, 0.1940, 0.2184 by changing the saturation by 10% instead.

■ 28.2735, 0.1940,
0.2184

■ 28.2735, 0.1940,
0.2184

■ 293.7715, 0.2541,
0.2757

■ 18.5319, 0.1794,
0.2041

■ 56.9208, 0.2157,
0.2394

■ 11.3326, 0.1612,
0.1860

■ 76.5953, 0.2239,
0.2472

■ 6.2910, 0.1381,
0.1626

■ 100.3496, 0.2309,
0.2539

■ 3.0228, 0.1086,
0.1320

■ 128.5681, 0.2368,
0.2595

■ 1.1437, 0.0718,
0.0924

■ 161.6351, 0.2420,
0.2644

■ 0.0149, 0.0000,
0.0027

199.9351, 0.2466,

■ 0.0000, 0.0000,

0.2687

0.0000

243.8524, 0.2506,
0.2724

■ 28.2735, 0.1940,
0.2184

■ 28.2735, 0.1940,
0.2184

■ 28.2751, 0.1940,
0.2184

■ 30.9150, 0.1990,
0.2305

■ 33.9109, 0.2059,
0.2429

■ 37.3322, 0.2148,
0.2553

■ 41.2197, 0.2256,
0.2676

■ 45.6078, 0.2381,
0.2796

■ 50.5270, 0.2518,
0.2910

■ 56.0051, 0.2665,
0.3017

■ 62.0672, 0.2818,
0.3117

■ 68.7369, 0.2973,
0.3208

Harmonies

Analogous

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



28.2735, 0.1800, 0.2510



28.2735, 0.1940, 0.2184



28.2735, 0.2358, 0.2136

Triad

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



28.2735, 0.1940, 0.2184



28.2735, 0.4452, 0.3220



28.2735, 0.3071, 0.4594

Complementary

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



28.2735, 0.1940, 0.2184



20.9264, 0.5927, 0.3676

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.



28.2735, 0.3803, 0.4682



28.2735, 0.1940, 0.2184



28.2735, 0.4656, 0.3786

Square

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



28.2735, 0.1940, 0.2184



28.2735, 0.3822, 0.2708



28.2735, 0.4393, 0.4326



28.2735, 0.2393, 0.3969

Rectangle

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



28.2735, 0.1940, 0.2184



28.2735, 0.2782, 0.2238



28.2735, 0.4393, 0.4326



28.2735, 0.3319, 0.4687

Sweetspot

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



28.2751, 0.1940, 0.2184



73.5037, 0.2662, 0.3015



54.8433, 0.2883, 0.5577



15.0600, 0.2599, 0.2970



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.



28.2751, 0.1940, 0.2184



36.9764, 0.1938, 0.2176



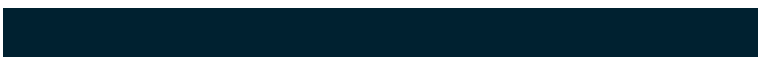
7.1056, 0.1543, 0.0754



14.7871, 0.2982, 0.3213



16.3583, 0.1945, 0.2203



1.2941, 0.1997, 0.2390

Inverse Universe

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



18.4655, 0.4250, 0.2115



24.2639, 0.4258, 0.2119



50.6749, 0.4564, 0.4758



13.8564, 0.3187, 0.3133



10.5594, 0.4229, 0.2103



0.7481, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 28.2735, 0.1940, 0.2184 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 28.2735, 0.1940, 0.2184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

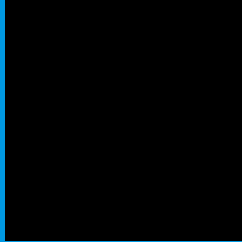
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

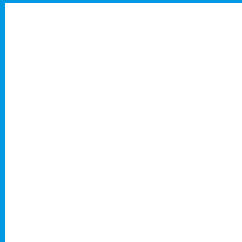
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2735, 0.1940, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 28.2735, 0.1940, 0.2184.

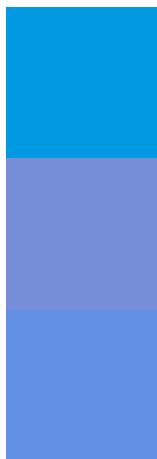


This preview shows how white text looks on a background with the Yxy color 28.2735, 0.1940, 0.2184.

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

28.2735, 0.1940, 0.2184

Protanopia

28.1554, 0.2334, 0.2225

Deuteranopia

28.1446, 0.2158, 0.2093



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.2735, 0.1940, 0.2184

Protanomaly

27.2209, 0.2089, 0.2179

Deuteranomaly

27.4376, 0.2017, 0.2106

Tritanomaly

27.9197, 0.2082, 0.2695

Monochromacy



Original Color

28.2735, 0.1940, 0.2184

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 28.2735, 0.1940, 0.2184 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, 226)` looks like.

```
.text, #text, p{  
  color:rgb(0, 153, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 226) }
```

Border

The CSS property to change the border of an element to Yxy 28.2735, 0.1940, 0.2184 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, 226) }
```

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

```
.border{ border-color:rgb(0, 153, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2735, 0.1940, 0.2184 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, 226) }
```

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

```
.background{ background-color: rgb(0, 153,  
226) }
```

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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