

Converting Colors

$Y_{xy}(22.2599, 0.1233, 0.2034)$

Have a look what the booklet for
Yxy(22.2599, 0.1233, 0.2034)
contains.

Yxy(28.1102, 0.1949, 0.2218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.1102, 0.1949, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	0099DF
RGB	0, 153, 223
RGB Percent	0%, 60%, 87%
CMY	1.0000, 0.3999, 0.1255
CMYK	1.00, 0.31, 0.00, 0.13
HSL	199°, 100%, 44%
HSV	199°, 100%, 87%
XYZ	24.7010, 28.1102, 73.9255
YIQ	115.2330, -113.6580, -10.6660

Conversions

Conversions Part 2

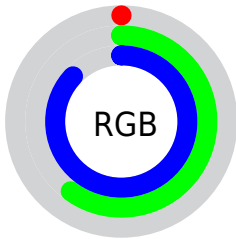
Format	Color
R _Y B	0, 91, 223
Decimal	39391
CIE Lab	59.99, -8.46, -44.77
CIE LCh	60, 45.560, 259.301
Yxy	28.1102, 0.1949, 0.2218
Android (android.graphics.Color)	4278229471 (0xFF0099DF)
YUV	115.2330, 53.1291, -101.0593
Hunter-Lab	53.0191, -9.6222, -45.5559

Details

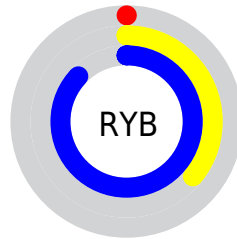
The Yxy color **28.1102, 0.1949, 0.2218** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.0617, 0.5948, 0.3659**, and the grayscale version is **17.0838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7887, 0.2263, 0.2691**, and **12.2928, 0.1881, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **28.1163, 0.1950, 0.2218**, and if you desaturate by 10%, it is **30.6486, 0.1999, 0.2336**.

Distribution



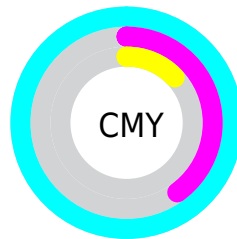
- Red (0%)
- Green (60%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1102, 0.1949, 0.2218 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 28.1102, 0.1949, 0.2218 by changing the saturation by 10% instead.

■ 28.1102, 0.1949,
0.2218

■ 28.1102, 0.1949,
0.2218

■ 292.9931, 0.2547,
0.2777

■ 18.4087, 0.1803,
0.2077

■ 56.6603, 0.2165,
0.2423

■ 11.2438, 0.1621,
0.1898

■ 76.2778, 0.2247,
0.2500

■ 6.2311, 0.1389,
0.1665

■ 99.9694, 0.2316,
0.2565

■ 2.9861, 0.1092,
0.1359

■ 128.1195, 0.2376,
0.2620

■ 1.1245, 0.0719,
0.0957

■ 161.1126, 0.2427,
0.2667

■ 0.0000, 0.0000,
0.0000

199.3329, 0.2472,

0.2709

243.1650, 0.2512,
0.2745

■ 28.1102, 0.1949,
0.2218

■ 28.1102, 0.1949,
0.2218

■ 28.1163, 0.1950,
0.2218

■ 30.6486, 0.1999,
0.2336

■ 33.5183, 0.2066,
0.2455

■ 36.7927, 0.2154,
0.2576

■ 40.5110, 0.2261,
0.2695

■ 44.7065, 0.2384,
0.2811

■ 49.4084, 0.2521,
0.2921

■ 54.6433, 0.2667,
0.3025

■ 60.4355, 0.2819,
0.3122

■ 66.8076, 0.2973,
0.3210

Harmonies

Analogous

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



28.1102, 0.1827, 0.2556



28.1102, 0.1949, 0.2218



28.1102, 0.2345, 0.2156

Triad

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



28.1102, 0.1949, 0.2218



28.1102, 0.4395, 0.3194



28.1102, 0.3116, 0.4579

Complementary

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



28.1102, 0.1949, 0.2218



20.0617, 0.5948, 0.3659

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.



28.1102, 0.3829, 0.4639



28.1102, 0.1949, 0.2218



28.1102, 0.4622, 0.3748

Square

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



28.1102, 0.1949, 0.2218



28.1102, 0.3763, 0.2696



28.1102, 0.4391, 0.4280



28.1102, 0.2444, 0.3995

Rectangle

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



28.1102, 0.1949, 0.2218



28.1102, 0.2752, 0.2247



28.1102, 0.4391, 0.4280



28.1102, 0.3359, 0.4660

Sweetspot

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



28.1163, 0.1950, 0.2218



73.8944, 0.2663, 0.3023



53.1719, 0.2893, 0.5616



15.1535, 0.2600, 0.2980



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.



28.1163, 0.1950, 0.2218



37.8760, 0.1947, 0.2210



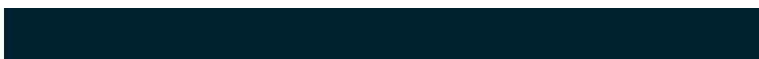
7.1731, 0.1550, 0.0781



14.8089, 0.2982, 0.3215



16.7450, 0.1955, 0.2236



1.3187, 0.2005, 0.2418

Inverse Universe

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



17.9864, 0.4213, 0.2094



24.3548, 0.4222, 0.2099



47.6815, 0.4603, 0.4727



13.8586, 0.3186, 0.3130



10.5985, 0.4194, 0.2084



0.7506, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 28.1102, 0.1949, 0.2218 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 28.1102, 0.1949, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

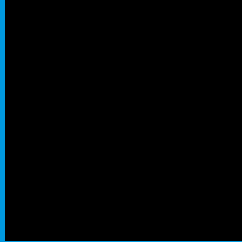
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1102, 0.1949, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 28.1102, 0.1949, 0.2218.

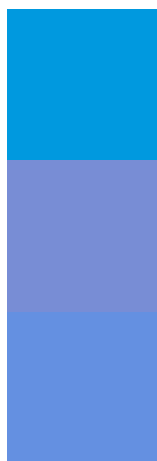


This preview shows how white text looks on a background with the Yxy color 28.1102, 0.1949, 0.2218.

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

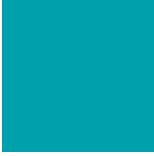
28.1102, 0.1949, 0.2218

Protanopia

27.8469, 0.2363, 0.2247

Deuteranopia

28.0921, 0.2182, 0.2127



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.1102, 0.1949, 0.2218

Protanomaly

26.7971, 0.2103, 0.2198

Deuteranomaly

27.3392, 0.2035, 0.2140

Tritanomaly

27.8755, 0.2086, 0.2710

Monochromacy



Original Color

28.1102, 0.1949, 0.2218

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.4501, 0.2370, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1102, 0.1949, 0.2218 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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(0, 153, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 223) }
```

Border

The CSS property to change the border of an element to Yxy 28.1102, 0.1949, 0.2218 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, 223) }
```

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

```
.border{ border-color:rgb(0, 153, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1102, 0.1949, 0.2218 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, 223) }
```

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

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