

Converting Colors

$Y_{xy}(22.4901, 0.0981, 0.2168)$

Have a look what the booklet for
Yxy(22.4901, 0.0981, 0.2168)
contains.

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Color

Yxy(30.2561, 0.1995, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	01A0DB
RGB	1, 160, 219
RGB Percent	0%, 63%, 86%
CMY	0.9970, 0.3726, 0.1412
CMYK	1.00, 0.27, 0.00, 0.14
HSL	196°, 99%, 43%
HSV	196°, 100%, 86%
XYZ	25.3617, 30.2561, 71.5086
YIQ	119.1850, -113.7030, -15.3590

Conversions

Conversions Part 2

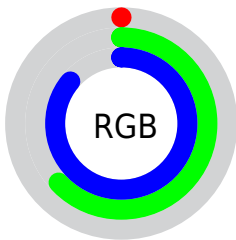
Format	Color
RYB	1, 93, 219
Decimal	106715
CIELab	61.87, -13.77, -39.58
CIELCh	62, 41.906, 250.817
Yxy	30.2561, 0.1995, 0.2380
Android (android.graphics.Color)	4278296795 (0xFF01A0DB)
YUV	119.1850, 49.2088, -103.6482
Hunter-Lab	55.0055, -13.9577, -38.5747

Details

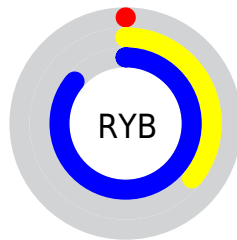
The Yxy color **30.2561, 0.1995, 0.2380** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.2658, 0.6042, 0.3581**, and the grayscale version is **18.3523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7639, 0.2286, 0.2795**, and **13.6176, 0.1935, 0.2165** is the 20% darker color. If you saturate the color by 10%, you get **30.1801, 0.1994, 0.2376**, and if you desaturate by 10%, it is **32.5320, 0.2040, 0.2480**.

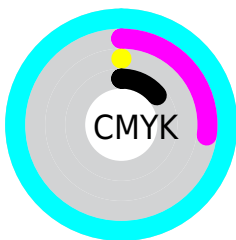
Distribution



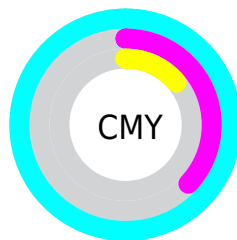
- Red (0%)
- Green (63%)
- Blue (86%)



- Red (0%)
- Yellow (36%)
- Blue (86%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (37%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2561, 0.1995, 0.2380 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 30.2561, 0.1995, 0.2380 by changing the saturation by 10% instead.

■ 30.2561, 0.1995,
0.2380

■ 30.2561, 0.1995,
0.2380

■ 303.0964, 0.2566,
0.2860

■ 20.0331, 0.1856,
0.2256

■ 60.0669, 0.2201,
0.2558

■ 12.4191, 0.1681,
0.2097

■ 80.4235, 0.2279,
0.2624

■ 7.0298, 0.1458,
0.1887

■ 104.9268, 0.2345,
0.2679

■ 3.4807, 0.1169,
0.1602

■ 133.9611, 0.2402,
0.2726

■ 1.3876, 0.0798,
0.1210

■ 167.9108, 0.2451,
0.2767

■ 0.2075, 0.0000,
0.0419

207.1603, 0.2494,

■ 0.0000, 0.0000,

0.2802

0.0000

252.0940, 0.2532,
0.2833

■ 30.2561, 0.1995,
0.2380

■ 30.2561, 0.1995,
0.2380

■ 30.1801, 0.1994,
0.2376

■ 32.5320, 0.2040,
0.2480

■ 35.1025, 0.2101,
0.2582

■ 38.0298, 0.2183,
0.2684

■ 41.3504, 0.2284,
0.2785

■ 45.0953, 0.2402,
0.2883

■ 49.2915, 0.2534,
0.2977

■ 53.9636, 0.2676,
0.3066

■ 59.1343, 0.2826,
0.3148

■ 64.8243, 0.2979,
0.3224

Harmonies

Analogous

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



30.2561, 0.1957, 0.2773



30.2561, 0.1995, 0.2380



30.2561, 0.2291, 0.2248

Triad

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



30.2561, 0.1995, 0.2380



30.2561, 0.4134, 0.3074



30.2561, 0.3314, 0.4502

Complementary

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



30.2561, 0.1995, 0.2380



18.2658, 0.6042, 0.3581

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.



30.2561, 0.3937, 0.4448



30.2561, 0.1995, 0.2380



30.2561, 0.4458, 0.3577

Square

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



30.2561, 0.1995, 0.2380



30.2561, 0.3506, 0.2640



30.2561, 0.4369, 0.4075



30.2561, 0.2674, 0.4099

Rectangle

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



30.2561, 0.1995, 0.2380



30.2561, 0.2623, 0.2291



30.2561, 0.4369, 0.4075



30.2561, 0.3533, 0.4532

Sweetspot

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



30.2571, 0.1995, 0.2380



75.7717, 0.2668, 0.3061



50.9744, 0.2913, 0.5683



15.6037, 0.2606, 0.3024



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.



30.2571, 0.1995, 0.2380



42.3647, 0.1991, 0.2368



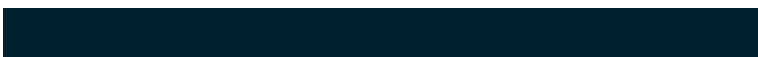
7.5465, 0.1569, 0.0845



14.2031, 0.2982, 0.3225



18.0885, 0.1998, 0.2392



1.3117, 0.2043, 0.2555

Inverse Universe

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



17.6119, 0.4043, 0.2002



24.8079, 0.4056, 0.2008



43.0888, 0.4679, 0.4664



13.2116, 0.3179, 0.3121



10.4498, 0.4032, 0.1995



0.6911, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 30.2561, 0.1995, 0.2380 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 30.2561, 0.1995, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

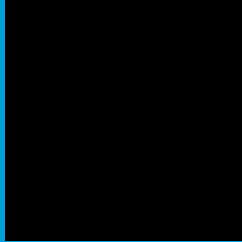
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2561, 0.1995, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 30.2561, 0.1995, 0.2380.

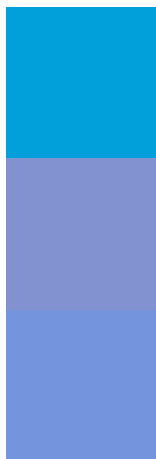


This preview shows how white text looks on a background with the Yxy color 30.2561, 0.1995, 0.2380.

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

30.2625, 0.1995, 0.2380

Protanopia

29.8577, 0.2479, 0.2397

Deuteranopia

30.1667, 0.2304, 0.2244



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



Original Color

30.2625, 0.1995, 0.2380

Protanomaly

28.7257, 0.2179, 0.2361

Deuteranomaly

29.1328, 0.2104, 0.2261

Tritanomaly

30.0446, 0.2107, 0.2787

Monochromacy



Original Color

30.2625, 0.1995, 0.2380

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.9533, 0.2403, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2561, 0.1995, 0.2380 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, 160, 219)` looks like.

```
.text, #text, p{  
    color:rgb(1, 160, 219)  
}
```

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, 160, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 160, 219) }
```

Border

The CSS property to change the border of an element to Yxy 30.2561, 0.1995, 0.2380 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, 160, 219) }
```

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

```
.border{ border-color:rgb(1, 160, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 160, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 160, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 160, 219);  
box-shadow:4px 4px 4px 4px rgb(1, 160,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2561, 0.1995, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 160, 219) }
```

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

```
.background{ background-color: rgb(1, 160,  
219) }
```

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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