

Converting Colors

$Y_{xy}(29.4254, 0.1927, 0.2366)$

Have a look what the booklet for
Yxy(29.4254, 0.1927, 0.2366)
contains.

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Color

Yxy(30.2036, 0.1998, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	00A0DA
RGB	0, 160, 218
RGB Percent	0%, 63%, 85%
CMY	0.9990, 0.3726, 0.1451
CMYK	1.00, 0.27, 0.00, 0.15
HSL	196°, 100%, 43%
HSV	196°, 100%, 85%
XYZ	25.2286, 30.2036, 70.8370
YIQ	118.7720, -113.9780, -15.8820

Conversions

Conversions Part 2

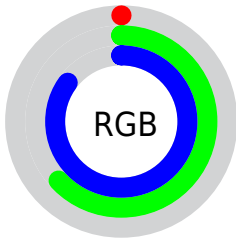
Format	Color
RYB	0, 92, 218
Decimal	41178
CIELab	61.83, -14.14, -39.11
CIELCh	62, 41.588, 250.124
Yxy	30.2036, 0.1998, 0.2392
Android (android.graphics.Color)	4278231258 (0xFF00A0DA)
YUV	118.7720, 48.9194, -104.1630
Hunter-Lab	54.9578, -14.2350, -37.9505

Details

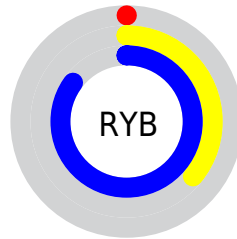
The Yxy color **30.2036, 0.1998, 0.2392** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.9601, 0.6056, 0.3572**, and the grayscale version is **18.2660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7044, 0.2282, 0.2795**, and **13.5816, 0.1939, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **30.1803, 0.1998, 0.2391**, and if you desaturate by 10%, it is **32.4351, 0.2042, 0.2491**.

Distribution



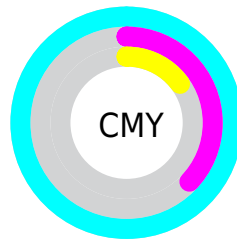
- Red (0%)
- Green (63%)
- Blue (85%)



- Red (0%)
- Yellow (36%)
- Blue (85%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (37%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2036, 0.1998, 0.2392 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 30.2036, 0.1998, 0.2392 by changing the saturation by 10% instead.


 30.2036, 0.1998,
0.2392


 30.2036, 0.1998,
0.2392


302.8523, 0.2568,
0.2867


 19.9932, 0.1859,
0.2269


 59.9840, 0.2204,
0.2568


 12.3901, 0.1684,
0.2111


 80.3228, 0.2282,
0.2634

 7.0099, 0.1461,
0.1902

 104.8065, 0.2348,
0.2688

 3.4683, 0.1171,
0.1618

 133.8195, 0.2404,
0.2735

 1.3808, 0.0799,
0.1225

 167.7461, 0.2453,
0.2775

 0.2025, 0.0000,
0.0418

206.9709, 0.2496,

 0.0000, 0.0000,

0.2809

0.0000

251.8782, 0.2534,
0.2840

■ 30.2036, 0.1998,
0.2392

■ 30.2036, 0.1998,
0.2392

■ 30.1803, 0.1998,
0.2391

■ 32.4351, 0.2042,
0.2491

■ 34.9525, 0.2103,
0.2591

■ 37.8194, 0.2184,
0.2691

■ 41.0719, 0.2284,
0.2791

■ 44.7407, 0.2401,
0.2887

■ 48.8527, 0.2532,
0.2980

■ 53.4322, 0.2673,
0.3067

■ 58.5014, 0.2822,
0.3148

■ 64.0810, 0.2975,
0.3223

Harmonies

Analogous

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



30.2036, 0.1966, 0.2789



30.2036, 0.1998, 0.2392



30.2036, 0.2287, 0.2255

Triad

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



30.2036, 0.1998, 0.2392



30.2036, 0.4115, 0.3065



30.2036, 0.3329, 0.4496

Complementary

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



30.2036, 0.1998, 0.2392



17.9601, 0.6056, 0.3572

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.



30.2036, 0.3945, 0.4434



30.2036, 0.1998, 0.2392



30.2036, 0.4446, 0.3565

Square

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



30.2036, 0.1998, 0.2392



30.2036, 0.3488, 0.2636



30.2036, 0.4368, 0.4060



30.2036, 0.2691, 0.4107

Rectangle

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



30.2036, 0.1998, 0.2392



30.2036, 0.2613, 0.2294



30.2036, 0.4368, 0.4060



30.2036, 0.3546, 0.4523

Sweetspot

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



30.2046, 0.1998, 0.2392



75.9434, 0.2668, 0.3064



50.4231, 0.2923, 0.5721



15.6449, 0.2607, 0.3028



0.0000, 0.0000, 0.0000



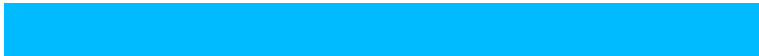
21.4041, 0.3127, 0.3290

Same Dimension

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



30.2046, 0.1998, 0.2392



42.7886, 0.1995, 0.2382



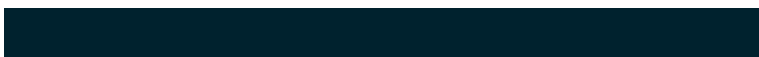
7.7669, 0.1576, 0.0874



14.2121, 0.2982, 0.3226



18.2643, 0.2002, 0.2406



1.3219, 0.2046, 0.2567

Inverse Universe

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



17.4505, 0.4031, 0.1995



24.8507, 0.4041, 0.2000



41.3050, 0.4723, 0.4632



13.2125, 0.3178, 0.3120



10.4676, 0.4017, 0.1987



0.6921, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 30.2036, 0.1998, 0.2392 looks on a white background.

Color Contrast Check

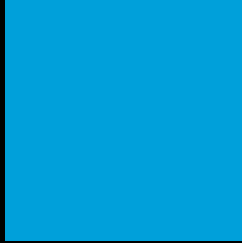
Large Text (above 18pt) WCAG AA × Fail

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 30.2036, 0.1998, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

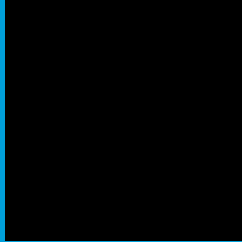
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2036, 0.1998, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 30.2036, 0.1998, 0.2392.

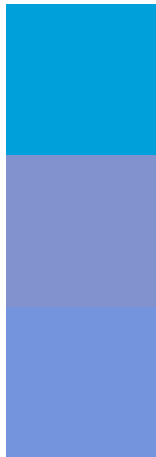


This preview shows how white text looks on a background with the Yxy color 30.2036, 0.1998, 0.2392.

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

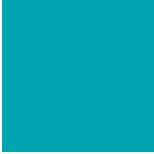
30.2036, 0.1998, 0.2392

Protanopia

29.8086, 0.2485, 0.2409

Deuteranopia

30.1133, 0.2310, 0.2255



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



Original Color

30.2036, 0.1998, 0.2392



Protanomaly

28.6754, 0.2184, 0.2373



Deuteranomaly

29.0796, 0.2108, 0.2273



Tritanomaly

30.0446, 0.2107, 0.2787

Monochromacy



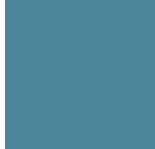
Original Color

30.2036, 0.1998, 0.2392



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 30.2036, 0.1998, 0.2392 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, 160, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 218)  
}
```

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, 160, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 218) }
```

Border

The CSS property to change the border of an element to Yxy 30.2036, 0.1998, 0.2392 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, 160, 218) }
```

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

```
.border{ border-color:rgb(0, 160, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2036, 0.1998, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 218) }
```

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

```
.background{ background-color: rgb(0, 160,  
218) }
```

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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