

Converting Colors

$Y_{xy}(30.8334, 0.2080, 0.2689)$

Have a look what the booklet for
Yxy(30.8334, 0.2080, 0.2689)
contains.

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Color

Yxy(30.7680, 0.2080, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	00A4C9
RGB	0, 164, 201
RGB Percent	0%, 64%, 79%
CMY	0.9988, 0.3569, 0.2119
CMYK	1.00, 0.18, 0.00, 0.21
HSL	191°, 100%, 39%
HSV	191°, 100%, 79%
XYZ	23.8174, 30.7680, 59.9215
YIQ	119.1820, -109.6210, -23.2610

Conversions

Conversions Part 2

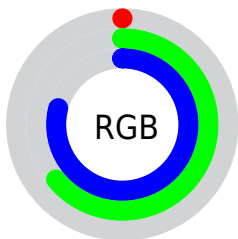
Format	Color
RYB	0, 90, 201
Decimal	42185
CIELab	62.31, -22.32, -28.88
CIELCh	62, 36.499, 232.296
Yxy	30.7680, 0.2080, 0.2687
Android (android.graphics.Color)	4278232265 (0xFF00A4C9)
YUV	119.1820, 40.3363, -104.5226
Hunter-Lab	55.4689, -20.4256, -25.2210

Details

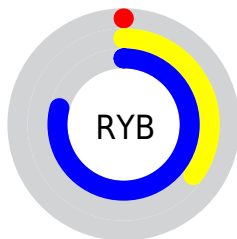
The Yxy color **30.7680, 0.2080, 0.2687** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.7540, 0.6209, 0.3450**, and the grayscale version is **18.4342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5924, 0.2284, 0.2845**, and **13.6949, 0.2032, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **30.7467, 0.2080, 0.2686**, and if you desaturate by 10%, it is **32.2647, 0.2114, 0.2753**.

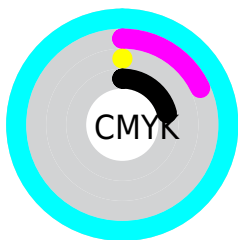
Distribution



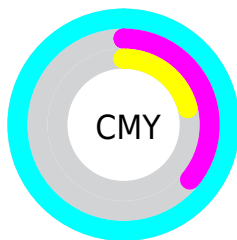
- Red (0%)
- Green (64%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (36%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7680, 0.2080, 0.2687 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 30.7680, 0.2080, 0.2687 by changing the saturation by 10% instead.


 30.7680, 0.2080,
0.2687

 30.7680, 0.2080,
0.2687


305.4681, 0.2612,
0.3019


 20.4223, 0.1948,
0.2596


 60.8746, 0.2274,
0.2814


 12.7024, 0.1779,
0.2474


 81.4043, 0.2347,
0.2860


 7.2239, 0.1560,
0.2306


 106.0974, 0.2408,
0.2898

 3.6025, 0.1268,
0.2063

 135.3383, 0.2461,
0.2930

 1.4538, 0.0874,
0.1693

 169.5114, 0.2506,
0.2957

 0.2559, 0.0000,
0.0784

209.0012, 0.2546,

 0.0000, 0.0000,

0.2980

0.0000

254.1919, 0.2581,
0.3001

■ 30.7680, 0.2080,
0.2687

■ 30.7680, 0.2080,
0.2687

■ 30.7467, 0.2080,
0.2686

■ 32.2647, 0.2114,
0.2753

■ 33.9564, 0.2165,
0.2819

■ 35.8972, 0.2234,
0.2886

■ 38.1159, 0.2323,
0.2952

■ 40.6368, 0.2429,
0.3017

■ 43.4812, 0.2550,
0.3079

■ 46.6684, 0.2684,
0.3138

■ 50.2159, 0.2827,
0.3193

■ 54.1401, 0.2977,
0.3244

Harmonies

Analogous

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



30.7680, 0.2198, 0.3172



30.7680, 0.2080, 0.2687



30.7680, 0.2203, 0.2422

Triad

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



30.7680, 0.2080, 0.2687



30.7680, 0.3684, 0.2856



30.7680, 0.3649, 0.4353

Complementary

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



30.7680, 0.2080, 0.2687



13.7540, 0.6209, 0.3450

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.



30.7680, 0.4101, 0.4133



30.7680, 0.2080, 0.2687



30.7680, 0.4145, 0.3276

Square

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



30.7680, 0.2080, 0.2687



30.7680, 0.3087, 0.2539



30.7680, 0.4296, 0.3730



30.7680, 0.3080, 0.4237

Rectangle

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



30.7680, 0.2080, 0.2687



30.7680, 0.2413, 0.2371



30.7680, 0.4296, 0.3730



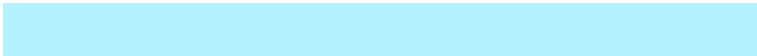
30.7680, 0.3820, 0.4310

Sweetspot

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



30.7691, 0.2080, 0.2687



79.5997, 0.2676, 0.3135



41.8945, 0.2954, 0.5832



16.5255, 0.2618, 0.3110



0.0000, 0.0000, 0.0000



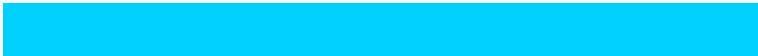
21.4041, 0.3127, 0.3290

Same Dimension

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



30.7691, 0.2080, 0.2687



52.3430, 0.2077, 0.2677



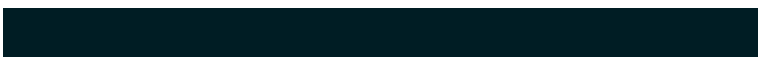
7.8675, 0.1620, 0.1031



11.7224, 0.2984, 0.3246



19.4635, 0.2082, 0.2696



1.0103, 0.2120, 0.2833

Inverse Universe

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



15.1002, 0.3740, 0.1835



25.8152, 0.3750, 0.1839



30.4264, 0.4891, 0.4498



10.7818, 0.3165, 0.3104



9.5048, 0.3732, 0.1830



0.4590, 0.3605, 0.1759

Previews

White Background



This preview shows how the Yxy color 30.7680, 0.2080, 0.2687 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 30.7680, 0.2080, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

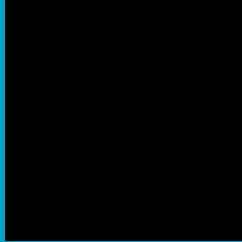
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7680, 0.2080, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 30.7680, 0.2080, 0.2687.

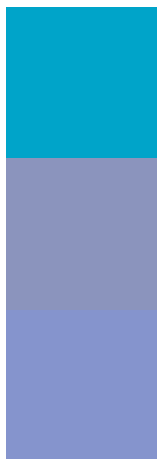


This preview shows how white text looks on a background with the Yxy color 30.7680, 0.2080, 0.2687.

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

30.7680, 0.2080, 0.2687

Protanopia

30.3429, 0.2688, 0.2681

Deuteranopia

30.5741, 0.2525, 0.2468



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

30.7680, 0.2080, 0.2687

Protanomaly

29.0853, 0.2319, 0.2665

Deuteranomaly

29.4021, 0.2239, 0.2512

Tritanomaly

30.9033, 0.2144, 0.2916

Monochromacy



Original Color

30.7680, 0.2080, 0.2687

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

21.0344, 0.2449, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7680, 0.2080, 0.2687 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, 164, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 201)  
}
```

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, 164, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 201) }
```

Border

The CSS property to change the border of an element to Yxy 30.7680, 0.2080, 0.2687 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, 164, 201) }
```

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

```
.border{ border-color:rgb(0, 164, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7680, 0.2080, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 201) }
```

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

```
.background{ background-color: rgb(0, 164,  
201) }
```

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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