

Converting Colors

$Y_{xy}(27.4060, 0.1621, 0.2529)$

Have a look what the booklet for
Yxy(27.4060, 0.1621, 0.2529)
contains.

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Color

Yxy(31.0559, 0.2056, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	00A4CF
RGB	0, 164, 207
RGB Percent	0%, 64%, 81%
CMY	1.0000, 0.3568, 0.1883
CMYK	1.00, 0.21, 0.00, 0.19
HSL	192°, 100%, 41%
HSV	192°, 100%, 81%
XYZ	24.5297, 31.0559, 63.7225
YIQ	119.8660, -111.5470, -21.3950

Conversions

Conversions Part 2

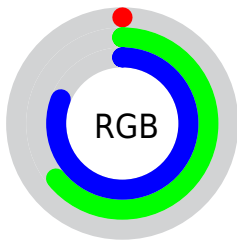
Format	Color
RYB	0, 92, 207
Decimal	42191
CIELab	62.55, -20.26, -31.85
CIELCh	63, 37.750, 237.541
Yxy	31.0559, 0.2056, 0.2603
Android (android.graphics.Color)	4278232271 (0xFF00A4CF)
YUV	119.8660, 42.9571, -105.1225
Hunter-Lab	55.7278, -18.9532, -28.7862

Details

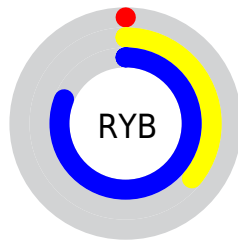
The Yxy color **31.0559, 0.2056, 0.2603** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.9886, 0.6174, 0.3480**, and the grayscale version is **18.6272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7078, 0.2291, 0.2846**, and **13.8553, 0.2008, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **31.0612, 0.2057, 0.2603**, and if you desaturate by 10%, it is **32.7816, 0.2093, 0.2678**.

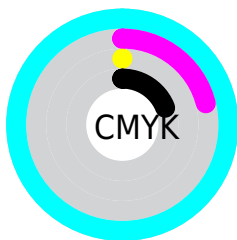
Distribution



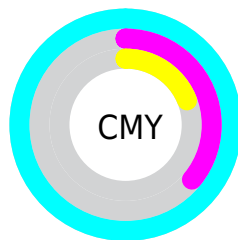
- Red (0%)
- Green (64%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0559, 0.2056, 0.2603 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 31.0559, 0.2056, 0.2603 by changing the saturation by 10% instead.

31.0559, 0.2056,
0.2603

31.0559, 0.2056,
0.2603

306.7958, 0.2598,
0.2976

20.6414, 0.1922,
0.2503

61.3281, 0.2253,
0.2744

12.8621, 0.1753,
0.2371

81.9545, 0.2327,
0.2796

7.3337, 0.1534,
0.2191

106.7538, 0.2389,
0.2838

3.6716, 0.1245,
0.1935

136.1103, 0.2443,
0.2874

1.4916, 0.0863,
0.1558

170.4083, 0.2490,
0.2905

0.2828, 0.0000,
0.0740

210.0323, 0.2530,

0.0000, 0.0000,

0.2932

0.0000

255.3666, 0.2566,
0.2955

■ 31.0559, 0.2056,
0.2603

■ 31.0559, 0.2056,
0.2603

■ 31.0612, 0.2057,
0.2603

■ 32.7816, 0.2093,
0.2678

■ 34.7218, 0.2146,
0.2754

■ 36.9391, 0.2219,
0.2830

■ 39.4646, 0.2310,
0.2906

■ 42.3248, 0.2419,
0.2979

■ 45.5428, 0.2543,
0.3050

■ 49.1395, 0.2679,
0.3117

■ 53.1339, 0.2824,
0.3180

■ 57.5437, 0.2974,
0.3237

Harmonies

Analogous

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



31.0559, 0.2132, 0.3066



31.0559, 0.2056, 0.2603



31.0559, 0.2224, 0.2374

Triad

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



31.0559, 0.2056, 0.2603



31.0559, 0.3801, 0.2913



31.0559, 0.3564, 0.4395

Complementary

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



31.0559, 0.2056, 0.2603



14.9886, 0.6174, 0.3480

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.



31.0559, 0.4063, 0.4214



31.0559, 0.2056, 0.2603



31.0559, 0.4231, 0.3355

Square

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



31.0559, 0.2056, 0.2603



31.0559, 0.3192, 0.2565



31.0559, 0.4321, 0.3819



31.0559, 0.2974, 0.4208

Rectangle

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



31.0559, 0.2056, 0.2603



31.0559, 0.2465, 0.2349



31.0559, 0.4321, 0.3819



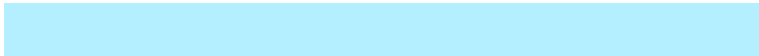
31.0559, 0.3748, 0.4369

Sweetspot

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



31.0612, 0.2057, 0.2603



78.5472, 0.2674, 0.3115



44.7810, 0.2947, 0.5810



16.2715, 0.2615, 0.3086



0.0000, 0.0000, 0.0000



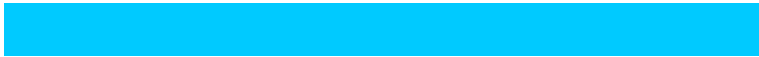
21.4041, 0.3127, 0.3290

Same Dimension

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



31.0612, 0.2057, 0.2603



49.4916, 0.2054, 0.2594



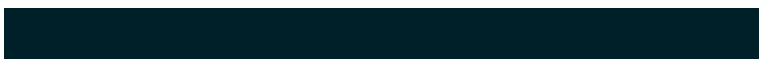
7.9599, 0.1607, 0.0985



12.9729, 0.2983, 0.3241



19.7130, 0.2059, 0.2614



1.2096, 0.2098, 0.2751

Inverse Universe

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



15.9441, 0.3821, 0.1879



25.5273, 0.3830, 0.1883



33.4801, 0.4850, 0.4531



11.9653, 0.3169, 0.3108



10.0613, 0.3811, 0.1873



0.5734, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 31.0559, 0.2056, 0.2603 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 31.0559, 0.2056, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

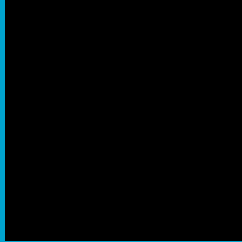
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0559, 0.2056, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 31.0559, 0.2056, 0.2603.

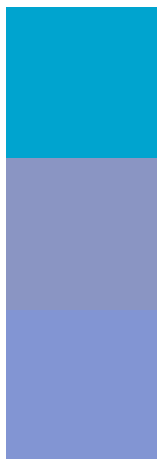


This preview shows how white text looks on a background with the Yxy color 31.0559, 0.2056, 0.2603.

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

31.0559, 0.2056, 0.2603

Protanopia

30.8383, 0.2637, 0.2616

Deuteranopia

30.9439, 0.2466, 0.2407



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

31.0559, 0.2056, 0.2603



Protanomaly

29.3094, 0.2280, 0.2582



Deuteranomaly

29.6033, 0.2200, 0.2434



Tritanomaly

30.9901, 0.2135, 0.2885

Monochromacy



Original Color

31.0559, 0.2056, 0.2603



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.4118, 0.2431, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0559, 0.2056, 0.2603 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 207) }
```

Border

The CSS property to change the border of an element to Yxy 31.0559, 0.2056, 0.2603 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, 207) }
```

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

```
.border{ border-color:rgb(0, 164, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0559, 0.2056, 0.2603 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, 207) }
```

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

```
.background{ background-color: rgb(0, 164,  
207) }
```

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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