

Converting Colors

$Y_{xy}(27.2321, 0.1568, 0.2475)$

Have a look what the booklet for
Yxy(27.2321, 0.1568, 0.2475)
contains.

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Color

Yxy(31.2041, 0.2045, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	00A4D2
RGB	0, 164, 210
RGB Percent	0%, 64%, 82%
CMY	1.0000, 0.3568, 0.1765
CMYK	1.00, 0.22, 0.00, 0.18
HSL	193°, 100%, 41%
HSV	193°, 100%, 82%
XYZ	24.9073, 31.2041, 65.6845
YIQ	120.2080, -112.5100, -20.4620

Conversions

Conversions Part 2

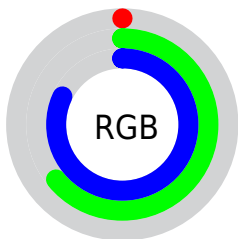
Format	Color
RYB	0, 92, 210
Decimal	42194
CIELab	62.68, -19.17, -33.34
CIELCh	63, 38.457, 240.095
Yxy	31.2041, 0.2045, 0.2562
Android (android.graphics.Color)	4278232274 (0xFF00A4D2)
YUV	120.2080, 44.2675, -105.4224
Hunter-Lab	55.8606, -18.1662, -30.6145

Details

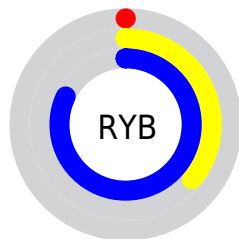
The Yxy color **31.2041, 0.2045, 0.2562** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.6560, 0.6153, 0.3496**, and the grayscale version is **18.7360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7078, 0.2291, 0.2846**, and **13.9549, 0.1993, 0.2375** is the 20% darker color. If you saturate the color by 10%, you get **31.2058, 0.2045, 0.2562**, and if you desaturate by 10%, it is **33.0416, 0.2083, 0.2642**.

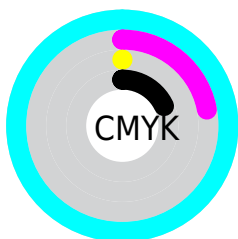
Distribution



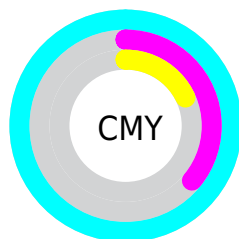
- Red (0%)
- Green (64%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2041, 0.2045, 0.2562 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 31.2041, 0.2045, 0.2562 by changing the saturation by 10% instead.

 31.2041, 0.2045,
0.2562


 31.2041, 0.2045,
0.2562


307.4775, 0.2592,
0.2954

 20.7543, 0.1911,
0.2458


 61.5613, 0.2243,
0.2710

 12.9445, 0.1741,
0.2321


 82.2374, 0.2318,
0.2764


 7.3904, 0.1523,
0.2135


 107.0912, 0.2381,
0.2809

 3.7074, 0.1235,
0.1875

 136.5069, 0.2435,
0.2847

 1.5113, 0.0858,
0.1496

 170.8690, 0.2482,
0.2880

 0.2966, 0.0000,
0.0718

210.5619, 0.2523,

 0.0000, 0.0000,

0.2908

0.0000

255.9699, 0.2559,
0.2932

■ 31.2041, 0.2045,
0.2562

■ 31.2041, 0.2045,
0.2562

■ 31.2058, 0.2045,
0.2562

■ 33.0416, 0.2083,
0.2642

■ 35.1110, 0.2138,
0.2722

■ 37.4729, 0.2211,
0.2803

■ 40.1598, 0.2304,
0.2883

■ 43.1989, 0.2415,
0.2961

■ 46.6145, 0.2540,
0.3036

■ 50.4283, 0.2677,
0.3107

■ 54.6601, 0.2823,
0.3173

■ 59.3284, 0.2974,
0.3234

Harmonies

Analogous

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



31.2041, 0.2100, 0.3012



31.2041, 0.2045, 0.2562



31.2041, 0.2236, 0.2351

Triad

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



31.2041, 0.2045, 0.2562



31.2041, 0.3859, 0.2942



31.2041, 0.3520, 0.4414

Complementary

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



31.2041, 0.2045, 0.2562



15.6560, 0.6153, 0.3496

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.



31.2041, 0.4042, 0.4255



31.2041, 0.2045, 0.2562



31.2041, 0.4272, 0.3395

Square

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



31.2041, 0.2045, 0.2562



31.2041, 0.3247, 0.2579



31.2041, 0.4331, 0.3864



31.2041, 0.2920, 0.4191

Rectangle

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



31.2041, 0.2045, 0.2562



31.2041, 0.2493, 0.2338



31.2041, 0.4331, 0.3864



31.2041, 0.3710, 0.4398

Sweetspot

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



31.2058, 0.2045, 0.2562



78.0352, 0.2673, 0.3105



46.2881, 0.2940, 0.5783



16.1481, 0.2613, 0.3075



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.



31.2058, 0.2045, 0.2562



48.1336, 0.2043, 0.2553



7.8330, 0.1596, 0.0945



12.9493, 0.2983, 0.3238



19.1882, 0.2048, 0.2574



1.1844, 0.2089, 0.2720

Inverse Universe

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



16.3826, 0.3861, 0.1901



25.3903, 0.3870, 0.1905



35.6755, 0.4807, 0.4565



11.9629, 0.3171, 0.3110



10.0083, 0.3849, 0.1894



0.5709, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 31.2041, 0.2045, 0.2562 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 31.2041, 0.2045, 0.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

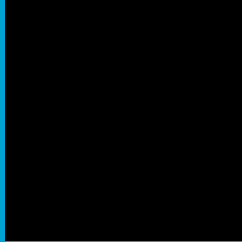
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2041, 0.2045, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 31.2041, 0.2045, 0.2562.

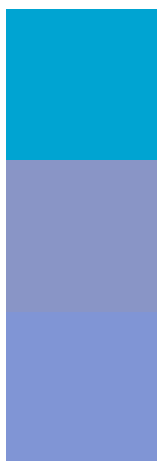


This preview shows how white text looks on a background with the Yxy color 31.2041, 0.2045, 0.2562.

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

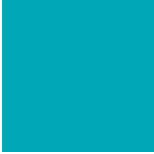
31.2041, 0.2045, 0.2562

Protanopia

30.8905, 0.2607, 0.2577

Deuteranopia

30.8882, 0.2439, 0.2380



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



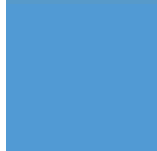
Original Color

31.2041, 0.2045, 0.2562



Protanomaly

29.4017, 0.2259, 0.2541



Deuteranomaly

29.6140, 0.2181, 0.2407



Tritanomaly

31.4432, 0.2131, 0.2872

Monochromacy



Original Color

31.2041, 0.2045, 0.2562



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.4447, 0.2424, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2041, 0.2045, 0.2562 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 210) }
```

Border

The CSS property to change the border of an element to Yxy 31.2041, 0.2045, 0.2562 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, 210) }
```

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

```
.border{ border-color:rgb(0, 164, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2041, 0.2045, 0.2562 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, 210) }
```

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

```
.background{ background-color: rgb(0, 164,  
210) }
```

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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