

Converting Colors

$Y_{xy}(25.8046, 0.1408, 0.2386)$

Have a look what the booklet for
Yxy(25.8046, 0.1408, 0.2386)
contains.

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Color

Yxy(30.9985, 0.2029, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	00A3D5
RGB	0, 163, 213
RGB Percent	0%, 64%, 84%
CMY	1.0000, 0.3607, 0.1648
CMYK	1.00, 0.23, 0.00, 0.16
HSL	194°, 100%, 42%
HSV	194°, 100%, 84%
XYZ	25.0981, 30.9985, 67.6005
YIQ	119.9630, -113.1980, -19.0060

Conversions

Conversions Part 2

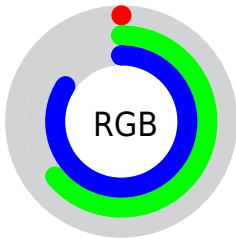
Format	Color
RYB	0, 92, 213
Decimal	41941
CIELab	62.51, -17.61, -35.26
CIELCh	63, 39.416, 243.461
Yxy	30.9985, 0.2029, 0.2506
Android (android.graphics.Color)	4278232021 (0xFF00A3D5)
YUV	119.9630, 45.8672, -105.2076
Hunter-Lab	55.6763, -16.9681, -33.0147

Details

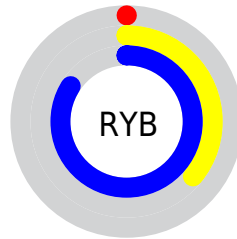
The Yxy color **30.9985, 0.2029, 0.2506** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.4221, 0.6124, 0.3519**, and the grayscale version is **18.6511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2464, 0.2291, 0.2833**, and **13.8375, 0.1973, 0.2303** is the 20% darker color. If you saturate the color by 10%, you get **31.0045, 0.2030, 0.2506**, and if you desaturate by 10%, it is **32.9771, 0.2070, 0.2592**.

Distribution



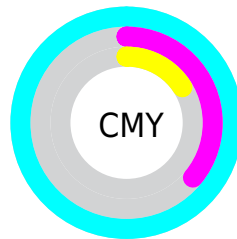
- Red (0%)
- Green (64%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (36%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9985, 0.2029, 0.2506 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 30.9985, 0.2029, 0.2506 by changing the saturation by 10% instead.

 30.9985, 0.2029,
0.2506


 30.9985, 0.2029,
0.2506


 306.5314, 0.2583,
0.2925


 20.5977, 0.1893,
0.2395


 61.2377, 0.2229,
0.2663


 12.8303, 0.1722,
0.2252

 81.8449, 0.2305,
0.2721

 7.3118, 0.1502,
0.2058


 106.6230, 0.2369,
0.2769

 3.6578, 0.1215,
0.1790

 135.9565, 0.2424,
0.2810

 1.4841, 0.0840,
0.1406

 170.2297, 0.2472,
0.2845

 0.2775, 0.0000,
0.0630

 209.8269, 0.2514,

 0.0000, 0.0000,

0.2876

0.0000

255.1327, 0.2550,
0.2902

■ 30.9985, 0.2029,
0.2506

■ 30.9985, 0.2029,
0.2506

■ 31.0045, 0.2030,
0.2506

■ 32.9771, 0.2070,
0.2592

■ 35.2001, 0.2126,
0.2679

■ 37.7341, 0.2202,
0.2766

■ 40.6129, 0.2297,
0.2853

■ 43.8650, 0.2410,
0.2937

■ 47.5156, 0.2537,
0.3017

■ 51.5872, 0.2675,
0.3094

■ 56.1006, 0.2822,
0.3165

■ 61.0749, 0.2974,
0.3230

Harmonies

Analogous

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



30.9985, 0.2056, 0.2940



30.9985, 0.2029, 0.2506



30.9985, 0.2251, 0.2319

Triad

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



30.9985, 0.2029, 0.2506



30.9985, 0.3941, 0.2981



30.9985, 0.3460, 0.4442

Complementary

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



30.9985, 0.2029, 0.2506



16.4221, 0.6124, 0.3519

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.



30.9985, 0.4012, 0.4312



30.9985, 0.2029, 0.2506



30.9985, 0.4330, 0.3449

Square

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



30.9985, 0.2029, 0.2506



30.9985, 0.3323, 0.2597



30.9985, 0.4345, 0.3926



30.9985, 0.2847, 0.4167

Rectangle

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



30.9985, 0.2029, 0.2506



30.9985, 0.2530, 0.2323



30.9985, 0.4345, 0.3926



30.9985, 0.3659, 0.4439

Sweetspot

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



31.0045, 0.2030, 0.2506



77.3435, 0.2671, 0.3091



47.8085, 0.2932, 0.5753



15.9816, 0.2611, 0.3059



0.0000, 0.0000, 0.0000



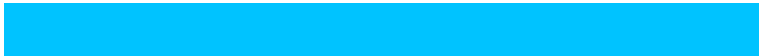
21.4041, 0.3127, 0.3290

Same Dimension

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



31.0045, 0.2030, 0.2506



46.3300, 0.2027, 0.2498



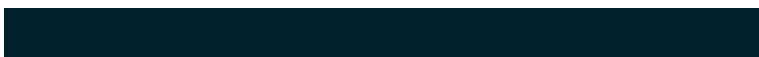
7.7094, 0.1586, 0.0908



13.5910, 0.2982, 0.3234



19.1052, 0.2033, 0.2519



1.2747, 0.2074, 0.2667

Inverse Universe

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



16.7889, 0.3916, 0.1931



25.2082, 0.3925, 0.1936



37.9842, 0.4765, 0.4599



12.5805, 0.3173, 0.3113



10.2735, 0.3904, 0.1924



0.6320, 0.3759, 0.1845

Previews

White Background



This preview shows how the Yxy color 30.9985, 0.2029, 0.2506 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 30.9985, 0.2029, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

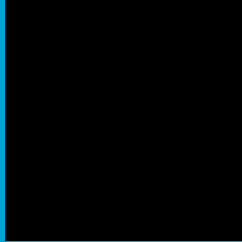
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9985, 0.2029, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 30.9985, 0.2029, 0.2506.

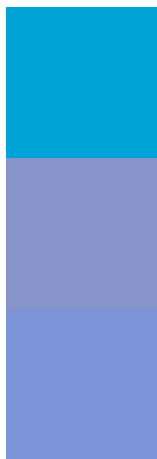


This preview shows how white text looks on a background with the Yxy color 30.9985, 0.2029, 0.2506.

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

30.9985, 0.2029, 0.2506

Protanopia

30.5950, 0.2561, 0.2508

Deuteranopia

30.7378, 0.2393, 0.2339



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

30.9985, 0.2029, 0.2506



Protanomaly

29.2171, 0.2230, 0.2471



Deuteranomaly

29.6798, 0.2158, 0.2368



Tritanomaly

31.0782, 0.2126, 0.2854

Monochromacy



Original Color

30.9985, 0.2029, 0.2506



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.4779, 0.2417, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9985, 0.2029, 0.2506 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, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 213)  
}
```

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, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 213) }
```

Border

The CSS property to change the border of an element to Yxy 30.9985, 0.2029, 0.2506 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, 163, 213) }
```

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

```
.border{ border-color:rgb(0, 163, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9985, 0.2029, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 213) }
```

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

```
.background{ background-color: rgb(0, 163,  
213) }
```

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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