

Converting Colors

$Y_{xy}(22.9737, 0.1370, 0.2276)$

Have a look what the booklet for
Yxy(22.9737, 0.1370, 0.2276)
contains.

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Color

Yxy(27.7147, 0.2002, 0.2405)

Conversions

Conversions Part 1

Format	Color
Hex	019AD1
RGB	1, 154, 209
RGB Percent	0%, 60%, 82%
CMY	0.9970, 0.3961, 0.1804
CMYK	1.00, 0.26, 0.00, 0.18
HSL	196°, 99%, 41%
HSV	196°, 100%, 82%
XYZ	23.0706, 27.7147, 64.4525
YIQ	114.5230, -108.8430, -15.3310

Conversions

Conversions Part 2

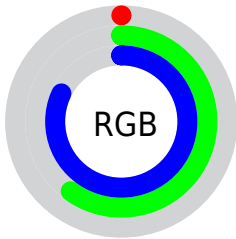
Format	Color
R_{YB}	1, 89, 209
Decimal	105169
CIE _{Lab}	59.63, -14.10, -37.53
CIE _{LCh}	60, 40.091, 249.415
Yxy	27.7147, 0.2002, 0.2405
Android (android.graphics.Color)	4278295249 (0xFF019AD1)
YUV	114.5230, 46.5772, -99.5597
Hunter-Lab	52.6448, -13.9039, -35.7369

Details

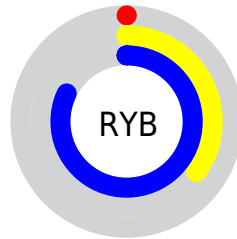
The Yxy color **27.7147, 0.2002, 0.2405** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.3641, 0.6050, 0.3574**, and the grayscale version is **16.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0985, 0.2255, 0.2702**, and **12.0336, 0.1941, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **27.6430, 0.2000, 0.2401**, and if you desaturate by 10%, it is **29.7421, 0.2046, 0.2503**.

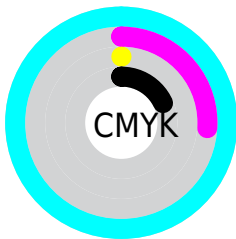
Distribution



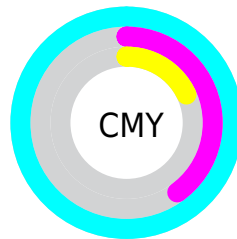
- Red (0%)
- Green (60%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7147, 0.2002, 0.2405 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 27.7147, 0.2002, 0.2405 by changing the saturation by 10% instead.

■ 27.7147, 0.2002,
0.2405

■ 27.7147, 0.2002,
0.2405

■ 291.1011, 0.2578,
0.2880

■ 18.1107, 0.1859,
0.2280

■ 56.0286, 0.2212,
0.2583

■ 11.0295, 0.1677,
0.2116

■ 75.5073, 0.2291,
0.2649

■ 6.0867, 0.1443,
0.1898

■ 99.0464, 0.2358,
0.2704

■ 2.8979, 0.1137,
0.1596

■ 127.0303, 0.2415,
0.2750

■ 1.0786, 0.0729,
0.1176

■ 159.8433, 0.2464,
0.2789

■ 0.0000, 0.0000,
0.0000

197.8698, 0.2507,

0.2824

241.4943, 0.2545,
0.2854

■ 27.7147, 0.2002,
0.2405

■ 27.7147, 0.2002,
0.2405

■ 27.6430, 0.2000,
0.2401

■ 29.7421, 0.2046,
0.2503

■ 32.0292, 0.2108,
0.2602

■ 34.6328, 0.2189,
0.2701

■ 37.5851, 0.2289,
0.2799

■ 40.9135, 0.2406,
0.2895

■ 44.6423, 0.2537,
0.2986

■ 48.7932, 0.2679,
0.3072

■ 53.3863, 0.2827,
0.3152

■ 58.4401, 0.2979,
0.3226

Harmonies

Analogous

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



27.7147, 0.1977, 0.2806



27.7147, 0.2002, 0.2405



27.7147, 0.2283, 0.2263

Triad

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



27.7147, 0.2002, 0.2405



27.7147, 0.4095, 0.3056



27.7147, 0.3344, 0.4490

Complementary

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



27.7147, 0.2002, 0.2405



16.3641, 0.6050, 0.3574

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.



27.7147, 0.3953, 0.4420



27.7147, 0.2002, 0.2405



27.7147, 0.4432, 0.3552

Square

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



27.7147, 0.2002, 0.2405



27.7147, 0.3469, 0.2632



27.7147, 0.4365, 0.4045



27.7147, 0.2709, 0.4113

Rectangle

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



27.7147, 0.2002, 0.2405



27.7147, 0.2604, 0.2298



27.7147, 0.4365, 0.4045



27.7147, 0.3558, 0.4513

Sweetspot

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



27.7156, 0.2002, 0.2405



76.0406, 0.2668, 0.3066



45.8599, 0.2921, 0.5713



15.6683, 0.2607, 0.3030



0.0000, 0.0000, 0.0000



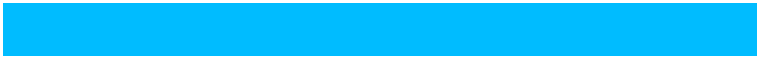
21.4041, 0.3127, 0.3290

Same Dimension

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



27.7156, 0.2002, 0.2405



43.0298, 0.1997, 0.2391



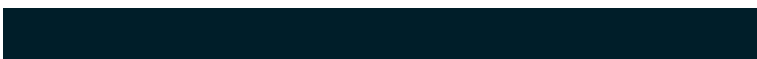
7.1392, 0.1579, 0.0882



12.8565, 0.2983, 0.3227



17.2130, 0.2004, 0.2416



1.0883, 0.2054, 0.2595

Inverse Universe

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



15.9044, 0.4018, 0.1989



24.8750, 0.4033, 0.1995



37.6508, 0.4719, 0.4633



11.9535, 0.3178, 0.3120



9.8089, 0.4007, 0.1981



0.5612, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 27.7147, 0.2002, 0.2405 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7147, 0.2002, 0.2405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

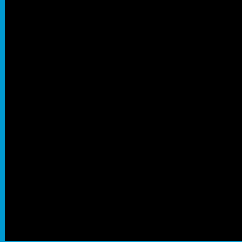
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7147, 0.2002, 0.2405

Background



This preview shows how black text looks on a background with the Yxy color 27.7147, 0.2002, 0.2405.

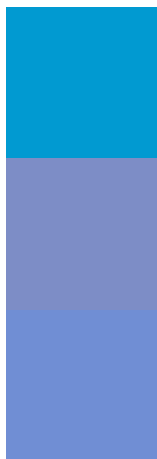


This preview shows how white text looks on a background with the Yxy color 27.7147, 0.2002, 0.2405.

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

27.7211, 0.2002, 0.2405

Protanopia

27.4869, 0.2495, 0.2434

Deuteranopia

27.5442, 0.2317, 0.2260



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.7211, 0.2002, 0.2405



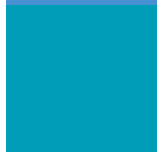
Protanomaly

26.5275, 0.2194, 0.2401



Deuteranomaly

26.6386, 0.2115, 0.2280



Tritanomaly

27.6167, 0.2112, 0.2802

Monochromacy



Original Color

27.7211, 0.2002, 0.2405



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.2869, 0.2405, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7147, 0.2002, 0.2405 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(1, 154, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 154, 209)  
}
```

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(1, 154, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 154, 209) }
```

Border

The CSS property to change the border of an element to Yxy 27.7147, 0.2002, 0.2405 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(1, 154, 209) }
```

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

```
.border{ border-color:rgb(1, 154, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 154, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 154, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 154, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 154,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7147, 0.2002, 0.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 154, 209) }
```

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

```
.background{ background-color: rgb(1, 154,  
209) }
```

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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