

Converting Colors

$Yxy(27.8512, 0.1981, 0.2333)$

Have a look what the booklet for
Yxy(27.8512, 0.1981, 0.2333)
contains.

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Color

Yxy(27.9662, 0.1984, 0.2342)

Conversions

Conversions Part 1

Format	Color
Hex	009AD6
RGB	0, 154, 214
RGB Percent	0%, 60%, 84%
CMY	0.9997, 0.3961, 0.1609
CMYK	1.00, 0.28, 0.00, 0.16
HSL	197°, 100%, 42%
HSV	197°, 100%, 84%
XYZ	23.6913, 27.9662, 67.7541
YIQ	114.7940, -111.0440, -13.9880

Conversions

Conversions Part 2

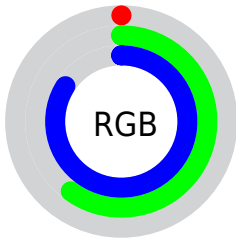
Format	Color
RYB	0, 90, 214
Decimal	39638
CIELab	59.86, -12.31, -39.96
CIELCh	60, 41.810, 252.882
Yxy	27.9662, 0.1984, 0.2342
Android (android.graphics.Color)	4278229718 (0xFF009AD6)
YUV	114.7940, 48.9086, -100.6743
Hunter-Lab	52.8831, -12.5786, -38.9446

Details

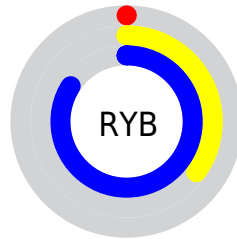
The Yxy color **27.9662, 0.1984, 0.2342** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.5297, 0.6024, 0.3599**, and the grayscale version is **16.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1565, 0.2258, 0.2703**, and **12.2037, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **27.9604, 0.1984, 0.2342**, and if you desaturate by 10%, it is **30.1616, 0.2030, 0.2446**.

Distribution



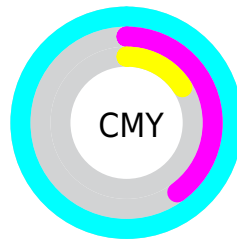
- Red (0%)
- Green (60%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9662, 0.1984, 0.2342 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 27.9662, 0.1984, 0.2342 by changing the saturation by 10% instead.

■ 27.9662, 0.1984,
0.2342

■ 27.9662, 0.1984,
0.2342

■ 292.3054, 0.2567,
0.2846

■ 18.3002, 0.1840,
0.2211

■ 56.4305, 0.2196,
0.2530

■ 11.1657, 0.1659,
0.2042

■ 75.9975, 0.2276,
0.2599

■ 6.1784, 0.1425,
0.1819

■ 99.6337, 0.2343,
0.2657

■ 2.9539, 0.1123,
0.1515

■ 127.7234, 0.2401,
0.2706

■ 1.1077, 0.0732,
0.1100

■ 160.6510, 0.2451,
0.2749

■ 0.0000, 0.0000,
0.0000

198.8010, 0.2495,

0.2785

242.5576, 0.2533,
0.2817

■ 27.9662, 0.1984,
0.2342

■ 27.9662, 0.1984,
0.2342

■ 27.9604, 0.1984,
0.2342

■ 30.1616, 0.2030,
0.2446

■ 32.6384, 0.2093,
0.2552

■ 35.4590, 0.2175,
0.2658

■ 38.6581, 0.2277,
0.2763

■ 42.2652, 0.2396,
0.2865

■ 46.3062, 0.2529,
0.2963

■ 50.8046, 0.2671,
0.3055

■ 55.7816, 0.2821,
0.3141

■ 61.2574, 0.2974,
0.3219

Harmonies

Analogous

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



27.9662, 0.1926, 0.2723



27.9662, 0.1984, 0.2342



27.9662, 0.2303, 0.2227

Triad

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



27.9662, 0.1984, 0.2342



27.9662, 0.4193, 0.3101



27.9662, 0.3270, 0.4520

Complementary

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



27.9662, 0.1984, 0.2342



17.5297, 0.6024, 0.3599

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.



27.9662, 0.3914, 0.4491



27.9662, 0.1984, 0.2342



27.9662, 0.4497, 0.3617

Square

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



27.9662, 0.1984, 0.2342



27.9662, 0.3564, 0.2653



27.9662, 0.4376, 0.4121



27.9662, 0.2621, 0.4078

Rectangle

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



27.9662, 0.1984, 0.2342



27.9662, 0.2651, 0.2281



27.9662, 0.4376, 0.4121



27.9662, 0.3494, 0.4562

Sweetspot

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



27.9671, 0.1984, 0.2342



75.3346, 0.2667, 0.3052



48.3803, 0.2913, 0.5686



15.4987, 0.2605, 0.3013



0.0000, 0.0000, 0.0000



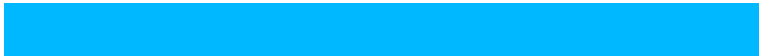
21.4041, 0.3127, 0.3290

Same Dimension

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



27.9671, 0.1984, 0.2342



41.2952, 0.1981, 0.2332



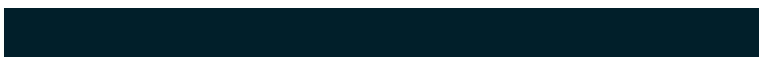
7.1340, 0.1568, 0.0842



13.4918, 0.2982, 0.3223



17.0875, 0.1988, 0.2357



1.1672, 0.2038, 0.2537

Inverse Universe

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



16.6279, 0.4083, 0.2023



24.6999, 0.4093, 0.2029



40.8685, 0.4681, 0.4665



12.5705, 0.3180, 0.3124



10.0698, 0.4067, 0.2014



0.6212, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 27.9662, 0.1984, 0.2342 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 27.9662, 0.1984, 0.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

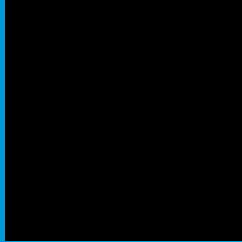
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9662, 0.1984, 0.2342

Background



This preview shows how black text looks on a background with the Yxy color 27.9662, 0.1984, 0.2342.

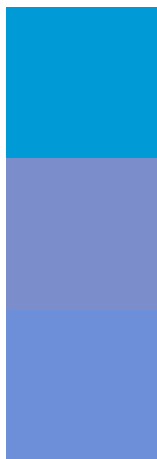


This preview shows how white text looks on a background with the Yxy color 27.9662, 0.1984, 0.2342.

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

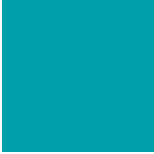
27.9662, 0.1984, 0.2342

Protanopia

27.6945, 0.2448, 0.2359

Deuteranopia

27.9059, 0.2273, 0.2213



Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

27.9662, 0.1984, 0.2342



Protanomaly

26.7741, 0.2161, 0.2324



Deuteranomaly

27.0905, 0.2085, 0.2235



Tritanomaly

28.0416, 0.2108, 0.2789

Monochromacy



Original Color

27.9662, 0.1984, 0.2342



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.3513, 0.2391, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9662, 0.1984, 0.2342 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, 154, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 214)  
}
```

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, 154, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 214) }
```

Border

The CSS property to change the border of an element to Yxy 27.9662, 0.1984, 0.2342 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, 154, 214) }
```

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

```
.border{ border-color:rgb(0, 154, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9662, 0.1984, 0.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 214) }
```

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

```
.background{ background-color: rgb(0, 154,  
214) }
```

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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