

Converting Colors

$Yxy(29.8623, 0.1999, 0.2394)$

Have a look what the booklet for
Yxy(29.8623, 0.1999, 0.2394)
contains.

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Color

Yxy(29.8125, 0.1997, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	009FD9
RGB	0, 159, 217
RGB Percent	0%, 62%, 85%
CMY	0.9984, 0.3764, 0.1489
CMYK	1.00, 0.27, 0.00, 0.15
HSL	196°, 100%, 43%
HSV	196°, 100%, 85%
XYZ	24.9311, 29.8125, 70.0993
YIQ	118.0710, -113.3820, -15.6700

Conversions

Conversions Part 2

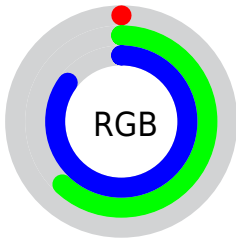
Format	Color
RYB	0, 92, 217
Decimal	40921
CIELab	61.49, -13.95, -39.09
CIELCh	61, 41.504, 250.356
Yxy	29.8125, 0.1997, 0.2388
Android (android.graphics.Color)	4278231001 (0xFF009FD9)
YUV	118.0710, 48.7720, -103.5483
Hunter-Lab	54.6008, -14.0470, -37.8990

Details

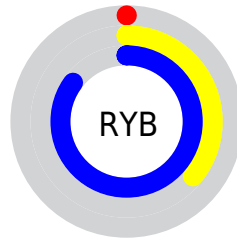
The Yxy color **29.8125, 0.1997, 0.2388** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.8247, 0.6050, 0.3576**, and the grayscale version is **18.0548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1967, 0.2279, 0.2782**, and **13.3338, 0.1937, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **29.7727, 0.1996, 0.2386**, and if you desaturate by 10%, it is **32.0291, 0.2041, 0.2487**.

Distribution



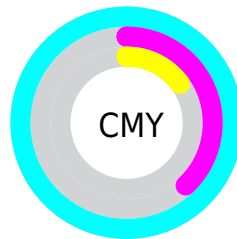
- Red (0%)
- Green (62%)
- Blue (85%)



- Red (0%)
- Yellow (36%)
- Blue (85%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8125, 0.1997, 0.2388 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 29.8125, 0.1997, 0.2388 by changing the saturation by 10% instead.

■ 29.8125, 0.1997,
0.2388

■ 29.8125, 0.1997,
0.2388

■ 301.0295, 0.2569,
0.2865

■ 19.6963, 0.1857,
0.2264

■ 59.3655, 0.2204,
0.2566

■ 12.1745, 0.1682,
0.2105

■ 79.5712, 0.2282,
0.2631

■ 6.8626, 0.1457,
0.1894

■ 103.9087, 0.2348,
0.2686

■ 3.3763, 0.1165,
0.1607

■ 132.7626, 0.2405,
0.2733

■ 1.3312, 0.0790,
0.1210

■ 166.5173, 0.2454,
0.2773

■ 0.1652, 0.0000,
0.0353

205.5570, 0.2497,

■ 0.0000, 0.0000,

0.2808

0.0000

250.2663, 0.2535,
0.2838

■ 29.8125, 0.1997,
0.2388

■ 29.8125, 0.1997,
0.2388

■ 29.7727, 0.1996,
0.2386

■ 32.0291, 0.2041,
0.2487

■ 34.5303, 0.2102,
0.2588

■ 37.3787, 0.2184,
0.2689

■ 40.6098, 0.2284,
0.2789

■ 44.2540, 0.2401,
0.2886

■ 48.3378, 0.2533,
0.2979

■ 52.8854, 0.2675,
0.3067

■ 57.9186, 0.2824,
0.3148

■ 63.4579, 0.2976,
0.3223

Harmonies

Analogous

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



29.8125, 0.1963, 0.2784



29.8125, 0.1997, 0.2388



29.8125, 0.2288, 0.2253

Triad

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



29.8125, 0.1997, 0.2388



29.8125, 0.4121, 0.3068



29.8125, 0.3324, 0.4498

Complementary

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



29.8125, 0.1997, 0.2388



17.8247, 0.6050, 0.3576

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.



29.8125, 0.3943, 0.4439



29.8125, 0.1997, 0.2388



29.8125, 0.4450, 0.3569

Square

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



29.8125, 0.1997, 0.2388



29.8125, 0.3494, 0.2637



29.8125, 0.4368, 0.4065



29.8125, 0.2686, 0.4104

Rectangle

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



29.8125, 0.1997, 0.2388



29.8125, 0.2616, 0.2293



29.8125, 0.4368, 0.4065



29.8125, 0.3541, 0.4526

Sweetspot

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



29.8135, 0.1997, 0.2388



75.8821, 0.2668, 0.3063



49.9462, 0.2913, 0.5685



15.6302, 0.2607, 0.3026



0.0000, 0.0000, 0.0000



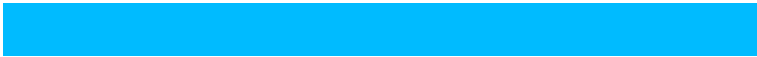
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8135, 0.1997, 0.2388



42.6370, 0.1994, 0.2377



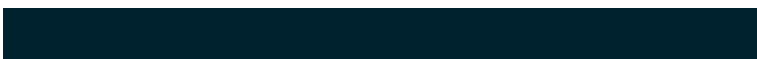
7.3772, 0.1568, 0.0844



14.2089, 0.2982, 0.3226



18.2015, 0.2000, 0.2401



1.3182, 0.2045, 0.2563

Inverse Universe

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



17.2674, 0.4035, 0.1997



24.8354, 0.4046, 0.2003



42.2026, 0.4680, 0.4665



13.2122, 0.3178, 0.3120



10.4612, 0.4022, 0.1990



0.6918, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 29.8125, 0.1997, 0.2388 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 29.8125, 0.1997, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

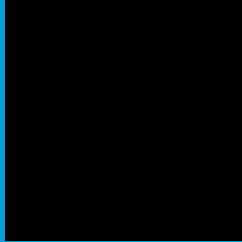
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8125, 0.1997, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 29.8125, 0.1997, 0.2388.

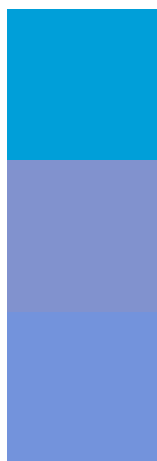


This preview shows how white text looks on a background with the Yxy color 29.8125, 0.1997, 0.2388.

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

29.8060, 0.1997, 0.2388

Protanopia

29.6811, 0.2484, 0.2420

Deuteranopia

29.6796, 0.2306, 0.2250



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8060, 0.1997, 0.2388



Protanomaly

28.5802, 0.2184, 0.2384



Deuteranomaly

28.6642, 0.2104, 0.2267



Tritanomaly

29.6464, 0.2107, 0.2784

Monochromacy



Original Color

29.8060, 0.1997, 0.2388



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.6040, 0.2399, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8125, 0.1997, 0.2388 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, 159, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 217)  
}
```

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, 159, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 217) }
```

Border

The CSS property to change the border of an element to Yxy 29.8125, 0.1997, 0.2388 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, 159, 217) }
```

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

```
.border{ border-color:rgb(0, 159, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8125, 0.1997, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 217) }
```

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

```
.background{ background-color: rgb(0, 159,  
217) }
```

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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