

Converting Colors

$Y_{xy}(28.5552, 0.1898, 0.2033)$

Have a look what the booklet for
Yxy(28.5552, 0.1898, 0.2033)
contains.

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Color

Yxy(28.6295, 0.1900, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	0098EE
RGB	0, 152, 238
RGB Percent	0%, 60%, 93%
CMY	1.0000, 0.4038, 0.0668
CMYK	1.00, 0.36, 0.00, 0.07
HSL	202°, 100%, 47%
HSV	202°, 100%, 93%
XYZ	26.6517, 28.6295, 84.9908
YIQ	116.3560, -118.1980, -5.4780

Conversions

Conversions Part 2

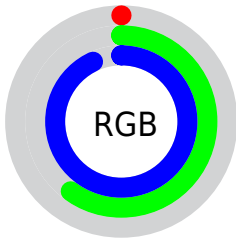
Format	Color
R _Y B	0, 93, 238
Decimal	39150
CIE Lab	60.45, -2.28, -52.33
CIE LCh	60, 52.382, 267.510
Yxy	28.6295, 0.1900, 0.2041
Android (android.graphics.Color)	4278229230 (0xFF0098EE)
YUV	116.3560, 59.9705, -102.0442
Hunter-Lab	53.5065, -4.7254, -56.7227

Details

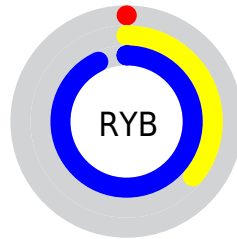
The Yxy color **28.6295, 0.1900, 0.2041** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.8215, 0.5831, 0.3752**, and the grayscale version is **17.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5508, 0.2275, 0.2680**, and **12.8389, 0.1833, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **28.6343, 0.1900, 0.2041**, and if you desaturate by 10%, it is **31.7186, 0.1955, 0.2177**.

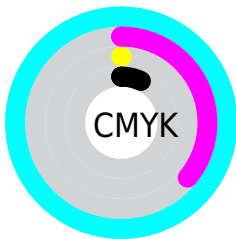
Distribution



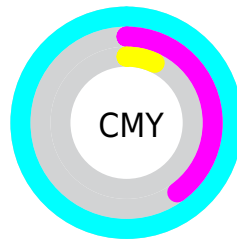
- Red (0%)
- Green (60%)
- Blue (93%)



- Red (0%)
- Yellow (36%)
- Blue (93%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6295, 0.1900, 0.2041 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 28.6295, 0.1900, 0.2041 by changing the saturation by 10% instead.


 28.6295, 0.1900,
0.2041


 28.6295, 0.1900,
0.2041


295.4628, 0.2516,
0.2673


 18.8007, 0.1753,
0.1889


 57.4879, 0.2120,
0.2268

 11.5264, 0.1571,
0.1700


 77.2863, 0.2205,
0.2354


 6.4221, 0.1343,
0.1462


 101.1768, 0.2276,
0.2428

 3.1034, 0.1056,
0.1161

 129.5436, 0.2338,
0.2491

 1.1859, 0.0706,
0.0789

 162.7712, 0.2391,
0.2545

 0.0502, 0.0000,
0.0070

201.2440, 0.2438,

 0.0000, 0.0000,

0.2593

0.0000

245.3464, 0.2480,
0.2636

■ 28.6295, 0.1900,
0.2041

■ 28.6295, 0.1900,
0.2041

■ 28.6343, 0.1900,
0.2041

■ 31.7186, 0.1955,
0.2177

■ 35.2445, 0.2028,
0.2316

■ 39.2897, 0.2123,
0.2457

■ 43.9020, 0.2237,
0.2597

■ 49.1217, 0.2367,
0.2732

■ 54.9846, 0.2509,
0.2862

■ 61.5230, 0.2660,
0.2983

■ 68.7668, 0.2816,
0.3095

■ 76.7436, 0.2972,
0.3198

Harmonies

Analogous

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



28.6295, 0.1684, 0.2315



28.6295, 0.1900, 0.2041



28.6295, 0.2414, 0.2054

Triad

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



28.6295, 0.1900, 0.2041



28.6295, 0.4699, 0.3328



28.6295, 0.2874, 0.4658

Complementary

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



28.6295, 0.1900, 0.2041



24.8215, 0.5831, 0.3752

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.



28.6295, 0.3685, 0.4874



28.6295, 0.1900, 0.2041



28.6295, 0.4794, 0.3944

Square

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



28.6295, 0.1900, 0.2041



28.6295, 0.4080, 0.2758



28.6295, 0.4392, 0.4527



28.6295, 0.2177, 0.3847

Rectangle

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



28.6295, 0.1900, 0.2041



28.6295, 0.2915, 0.2199



28.6295, 0.4392, 0.4527



28.6295, 0.3143, 0.4807

Sweetspot

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



28.6343, 0.1900, 0.2041



71.8841, 0.2659, 0.2982



61.7638, 0.2860, 0.5496



14.6730, 0.2594, 0.2931



0.0000, 0.0000, 0.0000



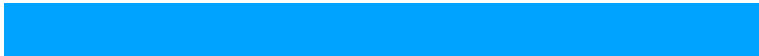
21.4041, 0.3127, 0.3290

Same Dimension

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



28.6343, 0.1900, 0.2041



33.3769, 0.1899, 0.2036



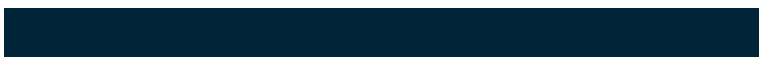
7.4151, 0.1530, 0.0707



16.9128, 0.2980, 0.3203



16.2328, 0.1906, 0.2062



1.5384, 0.1956, 0.2242

Inverse Universe

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



20.4405, 0.4407, 0.2201



23.9006, 0.4412, 0.2204



60.5451, 0.4490, 0.4817



15.9289, 0.3193, 0.3140



11.4321, 0.4383, 0.2188



0.9700, 0.4187, 0.2080

Previews

White Background



This preview shows how the Yxy color 28.6295, 0.1900, 0.2041 looks on a white background.

Color Contrast Check

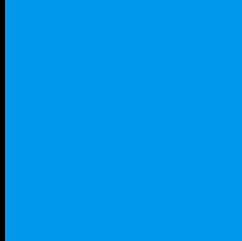
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6295, 0.1900, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

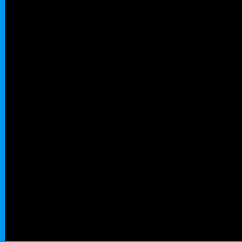
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

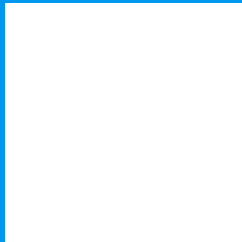
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6295, 0.1900, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 28.6295, 0.1900, 0.2041.

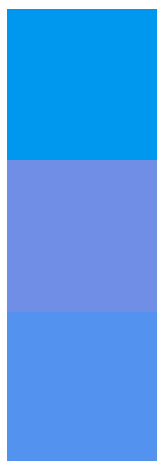


This preview shows how white text looks on a background with the Yxy color 28.6295, 0.1900, 0.2041.

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

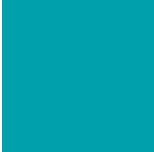
28.6295, 0.1900, 0.2041

Protanopia

28.4479, 0.2227, 0.2077

Deuteranopia

28.7339, 0.2048, 0.1984



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.6295, 0.1900, 0.2041

Protanomaly

27.7236, 0.2027, 0.2047

Deuteranomaly

28.1687, 0.1954, 0.1991

Tritanomaly

28.4849, 0.2066, 0.2639

Monochromacy



Original Color

28.6295, 0.1900, 0.2041

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.6944, 0.2335, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6295, 0.1900, 0.2041 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, 152, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 238)  
}
```

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, 152, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 238) }
```

Border

The CSS property to change the border of an element to Yxy 28.6295, 0.1900, 0.2041 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, 152, 238) }
```

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

```
.border{ border-color:rgb(0, 152, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6295, 0.1900, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 238) }
```

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

```
.background{ background-color: rgb(0, 152,  
238) }
```

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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