

Converting Colors

$Y_{xy}(21.7686, 0.0860, 0.1951)$

Have a look what the booklet for
Yxy(21.7686, 0.0860, 0.1951)
contains.

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Color

Yxy(30.6225, 0.1948, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	009FE8
RGB	0, 159, 232
RGB Percent	0%, 62%, 91%
CMY	0.9990, 0.3765, 0.0901
CMYK	1.00, 0.31, 0.00, 0.09
HSL	199°, 100%, 46%
HSV	199°, 100%, 91%
XYZ	26.9677, 30.6225, 80.8478
YIQ	119.7810, -118.1970, -11.0050

Conversions

Conversions Part 2

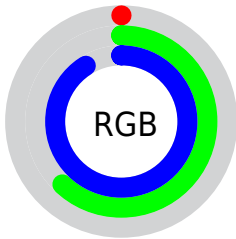
Format	Color
RYB	0, 94, 232
Decimal	40936
CIELab	62.19, -8.46, -46.30
CIELCh	62, 47.067, 259.642
Yxy	30.6225, 0.1948, 0.2212
Android (android.graphics.Color)	4278231016 (0xFF009FE8)
YUV	119.7810, 55.3240, -105.0479
Hunter-Lab	55.3376, -9.8522, -47.8859

Details

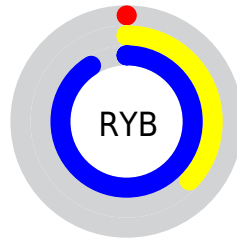
The Yxy color **30.6225, 0.1948, 0.2212** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **21.9630, 0.5946, 0.3659**, and the grayscale version is **18.5837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9343, 0.2291, 0.2771**, and **13.8597, 0.1883, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **30.5932, 0.1948, 0.2211**, and if you desaturate by 10%, it is **33.3987, 0.1997, 0.2330**.

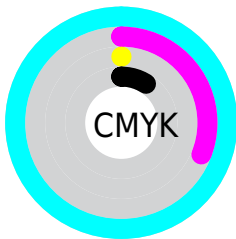
Distribution



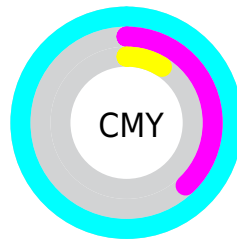
- Red (0%)
- Green (62%)
- Blue (91%)



- Red (0%)
- Yellow (37%)
- Blue (91%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6225, 0.1948, 0.2212 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 30.6225, 0.1948, 0.2212 by changing the saturation by 10% instead.


 30.6225, 0.1948,
0.2212


 30.6225, 0.1948,
0.2212


304.7954, 0.2538,
0.2766

 20.3116, 0.1807,
0.2075


 60.6452, 0.2159,
0.2413

 12.6217, 0.1631,
0.1902


 81.1258, 0.2240,
0.2489

 7.1686, 0.1410,
0.1680


 105.7651, 0.2308,
0.2553

 3.5678, 0.1128,
0.1391

 134.9474, 0.2367,
0.2608

 1.4348, 0.0775,
0.1013

 169.0572, 0.2418,
0.2656

 0.2422, 0.0036,
0.0365

208.4789, 0.2463,

 0.0000, 0.0000,

0.2697

0.0000

253.5968, 0.2503,
0.2733

■ 30.6225, 0.1948,
0.2212

■ 30.6225, 0.1948,
0.2212

■ 30.5932, 0.1948,
0.2211

■ 33.3987, 0.1997,
0.2330

■ 36.5479, 0.2065,
0.2451

■ 40.1428, 0.2152,
0.2572

■ 44.2266, 0.2260,
0.2692

■ 48.8359, 0.2384,
0.2809

■ 54.0031, 0.2521,
0.2920

■ 59.7575, 0.2667,
0.3025

■ 66.1259, 0.2820,
0.3122

■ 73.1330, 0.2974,
0.3211

Harmonies

Analogous

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



30.6225, 0.1822, 0.2548



30.6225, 0.1948, 0.2212



30.6225, 0.2348, 0.2153

Triad

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



30.6225, 0.1948, 0.2212



30.6225, 0.4405, 0.3199



30.6225, 0.3107, 0.4581

Complementary

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



30.6225, 0.1948, 0.2212



21.9630, 0.5946, 0.3659

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.



30.6225, 0.3823, 0.4647



30.6225, 0.1948, 0.2212



30.6225, 0.4628, 0.3755

Square

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



30.6225, 0.1948, 0.2212



30.6225, 0.3774, 0.2699



30.6225, 0.4391, 0.4288



30.6225, 0.2434, 0.3990

Rectangle

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



30.6225, 0.1948, 0.2212



30.6225, 0.2758, 0.2246



30.6225, 0.4391, 0.4288



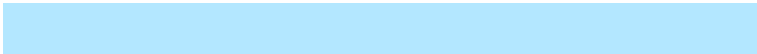
30.6225, 0.3351, 0.4664

Sweetspot

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



30.6235, 0.1948, 0.2212



73.8374, 0.2663, 0.3022



58.1660, 0.2894, 0.5618



15.1399, 0.2600, 0.2978



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.



30.6235, 0.1948, 0.2212



37.7440, 0.1946, 0.2205



7.8314, 0.1550, 0.0780



15.5301, 0.2981, 0.3214



17.2163, 0.1953, 0.2230



1.4370, 0.2001, 0.2403

Inverse Universe

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



19.6680, 0.4219, 0.2098



24.3414, 0.4227, 0.2102



52.1383, 0.4603, 0.4727



14.5339, 0.3186, 0.3130



10.9357, 0.4200, 0.2088



0.8247, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 30.6225, 0.1948, 0.2212 looks on a white background.

Color Contrast Check

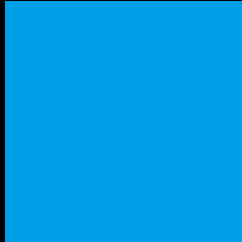
Large Text (above 18pt) WCAG AA × Fail

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 30.6225, 0.1948, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

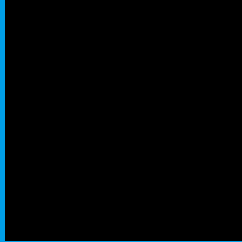
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

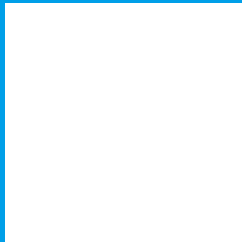
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6225, 0.1948, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 30.6225, 0.1948, 0.2212.

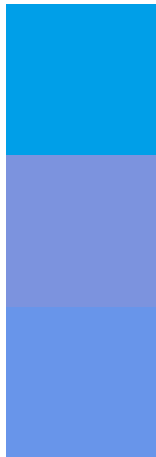


This preview shows how white text looks on a background with the Yxy color 30.6225, 0.1948, 0.2212.

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

30.6225, 0.1948, 0.2212

Protanopia

30.4264, 0.2354, 0.2243

Deuteranopia

30.3785, 0.2178, 0.2113



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.6225, 0.1948, 0.2212

Protanomaly

29.2865, 0.2100, 0.2195

Deuteranomaly

29.8239, 0.2032, 0.2138

Tritanomaly

30.2716, 0.2087, 0.2712

Monochromacy



Original Color

30.6225, 0.1948, 0.2212

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.1599, 0.2362, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6225, 0.1948, 0.2212 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.6225, 0.1948, 0.2212 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, 232) }
```

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

```
.border{ border-color:rgb(0, 159, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6225, 0.1948, 0.2212 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, 232) }
```

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

```
.background{ background-color: rgb(0, 159,  
232) }
```

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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