

Converting Colors

$Y_{xy}(32.8439, 0.1737, 0.2211)$

Have a look what the booklet for
Yxy(32.8439, 0.1737, 0.2211)
contains.

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Color

Yxy(35.2205, 0.1962, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	01AAF3
RGB	1, 170, 243
RGB Percent	0%, 67%, 95%
CMY	0.9959, 0.3334, 0.0470
CMYK	1.00, 0.30, 0.00, 0.05
HSL	198°, 99%, 48%
HSV	198°, 100%, 95%
XYZ	30.5629, 35.2205, 89.9906
YIQ	127.7910, -124.1570, -13.1250

Conversions

Conversions Part 2

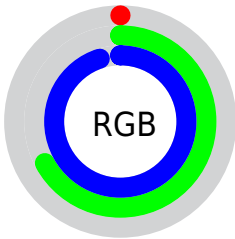
Format	Color
R _Y B	1, 101, 243
Decimal	109299
CIE Lab	65.92, -10.56, -46.45
CIE LCh	66, 47.633, 257.198
Yxy	35.2205, 0.1962, 0.2261
Android (android.graphics.Color)	4278299379 (0xFF01AAF3)
YUV	127.7910, 56.7980, -111.1957
Hunter-Lab	59.3469, -11.9318, -48.3616

Details

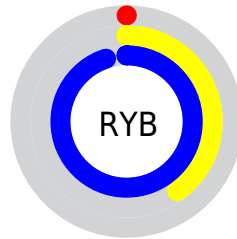
The Yxy color **35.2205, 0.1962, 0.2261** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **23.9667, 0.5976, 0.3633**, and the grayscale version is **21.3442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3854, 0.2335, 0.2925**, and **16.5020, 0.1902, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **35.0968, 0.1960, 0.2256**, and if you desaturate by 10%, it is **38.2528, 0.2009, 0.2374**.

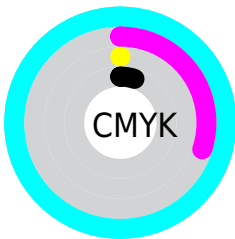
Distribution



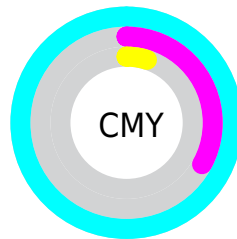
- Red (0%)
- Green (67%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2205, 0.1962, 0.2261 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 35.2205, 0.1962, 0.2261 by changing the saturation by 10% instead.

 35.2205, 0.1962,
0.2261


 35.2205, 0.1962,
0.2261

325.5405, 0.2532,
0.2781


 23.8328, 0.1829,
0.2135


 67.8272, 0.2163,
0.2448


 15.2096, 0.1664,
0.1976


 89.8150, 0.2241,
0.2520


 8.9666, 0.1458,
0.1774


 116.1049, 0.2307,
0.2580

 4.7194, 0.1199,
0.1511

 147.0814, 0.2365,
0.2632

 2.0836, 0.0872,
0.1166

 183.1288, 0.2415,
0.2677

 0.6554, 0.0399,
0.0716

224.6315, 0.2458,

 0.0000, 0.0000,

0.2716

0.0000

271.9740, 0.2497,
0.2750

■ 35.2205, 0.1962,
0.2261

■ 35.2205, 0.1962,
0.2261

■ 35.0968, 0.1960,
0.2256

■ 38.2528, 0.2009,
0.2374

■ 41.6935, 0.2075,
0.2490

■ 45.6190, 0.2162,
0.2606

■ 50.0771, 0.2267,
0.2720

■ 55.1086, 0.2390,
0.2832

■ 60.7493, 0.2526,
0.2938

■ 67.0314, 0.2672,
0.3038

■ 73.9847, 0.2824,
0.3131

■ 81.6366, 0.2979,
0.3216

Harmonies

Analogous

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



35.2205, 0.1862, 0.2614



35.2205, 0.1962, 0.2261



35.2205, 0.2331, 0.2181

Triad

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



35.2205, 0.1962, 0.2261



35.2205, 0.4324, 0.3163



35.2205, 0.3169, 0.4558

Complementary

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



35.2205, 0.1962, 0.2261



23.9667, 0.5976, 0.3633

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.



35.2205, 0.3858, 0.4586



35.2205, 0.1962, 0.2261



35.2205, 0.4579, 0.3703

Square

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



35.2205, 0.1962, 0.2261



35.2205, 0.3693, 0.2682



35.2205, 0.4386, 0.4224



35.2205, 0.2505, 0.4024

Rectangle

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



35.2205, 0.1962, 0.2261



35.2205, 0.2717, 0.2260



35.2205, 0.4386, 0.4224



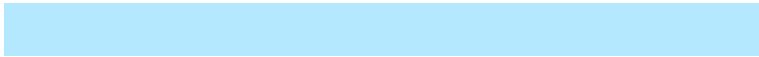
35.2205, 0.3405, 0.4625

Sweetspot

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



35.2216, 0.1962, 0.2261



74.4074, 0.2664, 0.3033



64.6050, 0.2894, 0.5617



15.2764, 0.2602, 0.2992



0.0000, 0.0000, 0.0000



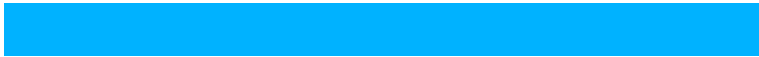
21.4041, 0.3127, 0.3290

Same Dimension

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



35.2216, 0.1962, 0.2261



39.0756, 0.1959, 0.2253



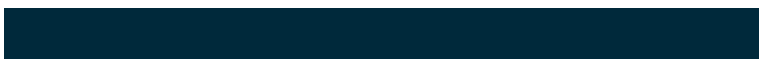
8.7120, 0.1551, 0.0781



17.8641, 0.2980, 0.3217



19.5081, 0.1965, 0.2274



1.8945, 0.2005, 0.2417

Inverse Universe

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



21.9812, 0.4167, 0.2071



24.4758, 0.4175, 0.2074



57.9189, 0.4602, 0.4726



16.6781, 0.3184, 0.3126



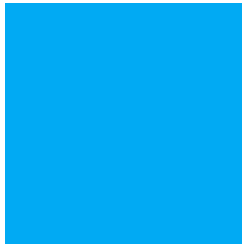
12.0687, 0.4153, 0.2062



1.0789, 0.4006, 0.1981

Previews

White Background



This preview shows how the Yxy color 35.2205, 0.1962, 0.2261 looks on a white background.

Color Contrast Check

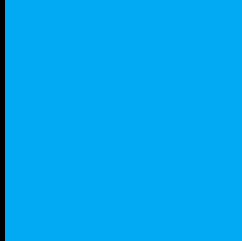
Large Text (above 18pt) WCAG AA × Fail

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 35.2205, 0.1962, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

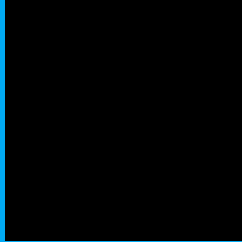
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

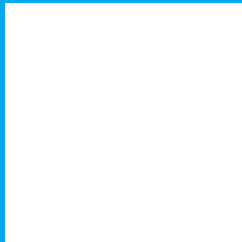
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2205, 0.1962, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 35.2205, 0.1962, 0.2261.

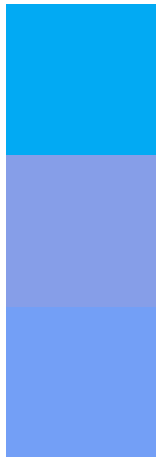


This preview shows how white text looks on a background with the Yxy color 35.2205, 0.1962, 0.2261.

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

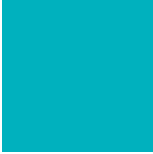
35.2270, 0.1962, 0.2261

Protanopia

35.0085, 0.2388, 0.2293

Deuteranopia

35.0949, 0.2211, 0.2150



Tritanopia

35.1620, 0.2187, 0.3075

Trichromacy



Original Color

35.2270, 0.1962, 0.2261

Protanomaly

33.8752, 0.2127, 0.2259

Deuteranomaly

34.2428, 0.2052, 0.2168

Tritanomaly

34.8756, 0.2095, 0.2742

Monochromacy



Original Color

35.2270, 0.1962, 0.2261

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

24.3410, 0.2375, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2205, 0.1962, 0.2261 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, 170, 243)` looks like.

```
.text, #text, p{  
    color:rgb(1, 170, 243)  
}
```

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, 170, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 170, 243) }
```

Border

The CSS property to change the border of an element to Yxy 35.2205, 0.1962, 0.2261 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, 170, 243) }
```

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

```
.border{ border-color:rgb(1, 170, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 170, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 170, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 170, 243);  
box-shadow:4px 4px 4px 4px rgb(1, 170,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2205, 0.1962, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 170, 243) }
```

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

```
.background{ background-color: rgb(1, 170,  
243) }
```

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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