

Converting Colors

$Y_{xy}(36.3974, 0.1983, 0.2276)$

Have a look what the booklet for
Yxy(36.3974, 0.1983, 0.2276)
contains.

Yxy(36.3172, 0.1982, 0.2274)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.3172, 0.1982, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	1AACF5
RGB	26, 172, 245
RGB Percent	10%, 67%, 96%
CMY	0.8994, 0.3254, 0.0392
CMYK	0.90, 0.30, 0.00, 0.04
HSL	200°, 92%, 53%
HSV	200°, 90%, 96%
XYZ	31.6538, 36.3172, 91.7353
YIQ	136.6680, -110.4490, -8.2490

Conversions

Conversions Part 2

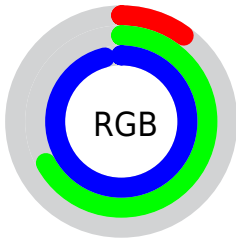
Format	Color
R _Y B	26, 114, 245
Decimal	1748213
CIE Lab	66.76, -10.15, -46.20
CIE LCh	67, 47.306, 257.605
Yxy	36.3172, 0.1982, 0.2274
Android (android.graphics.Color)	4279938293 (0xFF1AACF5)
YUV	136.6680, 53.4077, -97.0558
Hunter-Lab	60.2638, -11.7037, -48.0684

Details

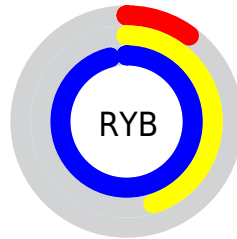
The Yxy color **36.3172, 0.1982, 0.2274** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **28.3436, 0.5650, 0.3789**, and the grayscale version is **24.6726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8030, 0.2359, 0.2952**, and **17.0638, 0.1905, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **33.1016, 0.1931, 0.2149**, and if you desaturate by 10%, it is **39.9849, 0.2052, 0.2402**.

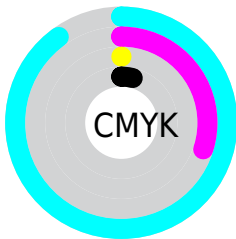
Distribution



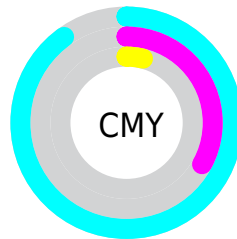
- Red (10%)
- Green (67%)
- Blue (96%)



- Red (10%)
- Yellow (45%)
- Blue (96%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)





- Cyan (90%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3172, 0.1982, 0.2274 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 36.3172, 0.1982, 0.2274 by changing the saturation by 10% instead.


 36.3172, 0.1982,
0.2274


 36.3172, 0.1982,
0.2274


330.3448, 0.2541,
0.2785


 24.6793, 0.1852,
0.2150


 69.5214, 0.2179,
0.2458

 15.8383, 0.1691,
0.1996

 91.8564, 0.2255,
0.2528

 9.4098, 0.1490,
0.1798


 118.5259, 0.2320,
0.2587

 5.0094, 0.1236,
0.1541

 149.9144, 0.2376,
0.2638

 2.2528, 0.0915,
0.1205

 186.4061, 0.2425,
0.2682

 0.7485, 0.0478,
0.0771

228.3855, 0.2468,

 0.0000, 0.0000,

0.2721

0.0000

276.2369, 0.2506,
0.2755

■ 36.3172, 0.1982,
0.2274

■ 36.3172, 0.1982,
0.2274

■ 33.1016, 0.1931,
0.2149

■ 39.9849, 0.2052,
0.2402

■ 32.9581, 0.1929,
0.2143

■ 44.1781, 0.2143,
0.2531

■ 48.9478, 0.2254,
0.2659

■ 54.3362, 0.2381,
0.2783

■ 60.3807, 0.2521,
0.2901

■ 67.1150, 0.2669,
0.3012

■ 74.5701, 0.2824,
0.3115

■ 82.7749, 0.2979,
0.3209

■ 91.7562, 0.3134,
0.3294

Harmonies

Analogous

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



36.3172, 0.1880, 0.2619



36.3172, 0.1982, 0.2274



36.3172, 0.2350, 0.2197

Triad

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



36.3172, 0.1982, 0.2274



36.3172, 0.4310, 0.3173



36.3172, 0.3161, 0.4530

Complementary

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



36.3172, 0.1982, 0.2274



28.3436, 0.5650, 0.3789

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.



36.3172, 0.3840, 0.4568



36.3172, 0.1982, 0.2274



36.3172, 0.4555, 0.3707

Square

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



36.3172, 0.1982, 0.2274



36.3172, 0.3694, 0.2697



36.3172, 0.4362, 0.4218



36.3172, 0.2508, 0.4001

Rectangle

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



36.3172, 0.1982, 0.2274



36.3172, 0.2733, 0.2277



36.3172, 0.4362, 0.4218



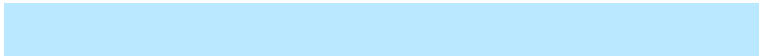
36.3172, 0.3394, 0.4599

Sweetspot

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



36.3184, 0.1982, 0.2274



75.4413, 0.2707, 0.3038



66.3543, 0.2850, 0.5381



15.5745, 0.2655, 0.3002



0.0000, 0.0000, 0.0000



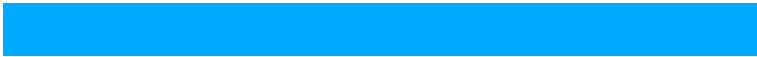
21.4041, 0.3127, 0.3290

Same Dimension

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



36.3184, 0.1982, 0.2274



36.0237, 0.1928, 0.2140



10.6887, 0.1610, 0.0914



17.7744, 0.2980, 0.3209



18.0185, 0.1934, 0.2163



1.7720, 0.1978, 0.2321

Inverse Universe

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



23.1166, 0.4145, 0.2107



24.1678, 0.4297, 0.2141



63.0513, 0.4495, 0.4753



16.6690, 0.3189, 0.3133



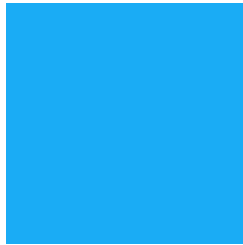
11.9183, 0.4272, 0.2127



1.0665, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 36.3172, 0.1982, 0.2274 looks on a white background.

Color Contrast Check

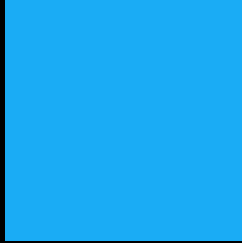
Large Text (above 18pt) WCAG AA × Fail

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 36.3172, 0.1982, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

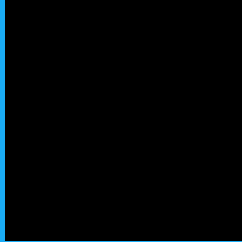
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

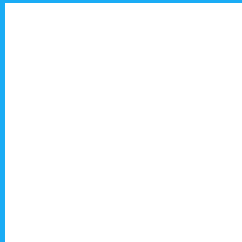
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3172, 0.1982, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 36.3172, 0.1982, 0.2274.



This preview shows how white text looks on a background with the Yxy color 36.3172, 0.1982, 0.2274.

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

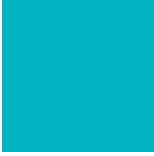
36.3172, 0.1982, 0.2274

Protanopia

36.0552, 0.2401, 0.2305

Deuteranopia

36.1186, 0.2224, 0.2162



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.3172, 0.1982, 0.2274

Protanomaly

35.2654, 0.2173, 0.2278

Deuteranomaly

35.5105, 0.2086, 0.2186

Tritanomaly

35.8622, 0.2099, 0.2735

Monochromacy



Original Color

36.3172, 0.1982, 0.2274

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.4887, 0.2458, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3172, 0.1982, 0.2274 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(26, 172, 245)` looks like.

```
.text, #text, p{  
    color:rgb(26, 172, 245)  
}
```

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(26, 172, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 172, 245) }
```

Border

The CSS property to change the border of an element to Yxy 36.3172, 0.1982, 0.2274 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(26, 172, 245) }
```

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

```
.border{ border-color:rgb(26, 172, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 172, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 172, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 172, 245);  
box-shadow:4px 4px 4px 4px rgb(26, 172,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3172, 0.1982, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 172, 245) }
```

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

```
.background{ background-color: rgb(26, 172,  
245) }
```

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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