

Converting Colors

$Yxy(36.6022, 0.1970, 0.2292)$

Have a look what the booklet for
Yxy(36.6022, 0.1970, 0.2292)
contains.

Yxy(36.4797, 0.1968, 0.2285)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.4797, 0.1968, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	00ADF5
RGB	0, 173, 245
RGB Percent	0%, 68%, 96%
CMY	1.0000, 0.3215, 0.0393
CMYK	1.00, 0.29, 0.00, 0.04
HSL	198°, 100%, 48%
HSV	198°, 100%, 96%
XYZ	31.4188, 36.4797, 91.7500
YIQ	129.4810, -126.2200, -14.2840

Conversions

Conversions Part 2

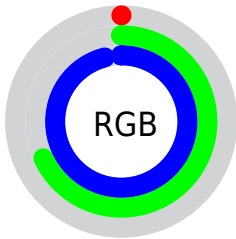
Format	Color
RYB	0, 101, 245
Decimal	44533
CIELab	66.88, -11.55, -46.00
CIELCh	67, 47.428, 255.911
Yxy	36.4797, 0.1968, 0.2285
Android (android.graphics.Color)	4278234613 (0xFF00ADF5)
YUV	129.4810, 56.9509, -113.5548
Hunter-Lab	60.3984, -12.8428, -47.7873

Details

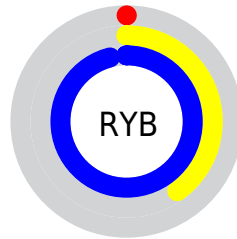
The Yxy color **36.4797, 0.1968, 0.2285** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **24.0378, 0.6006, 0.3613**, and the grayscale version is **21.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0218, 0.2344, 0.2963**, and **17.3056, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **36.4824, 0.1968, 0.2285**, and if you desaturate by 10%, it is **39.5177, 0.2014, 0.2395**.

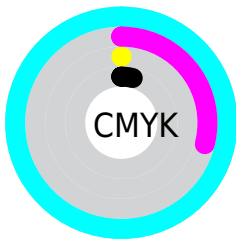
Distribution



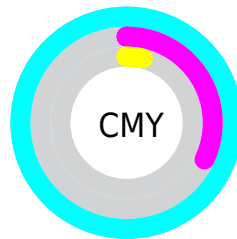
- Red (0%)
- Green (68%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4797, 0.1968, 0.2285 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 36.4797, 0.1968, 0.2285 by changing the saturation by 10% instead.


 36.4797, 0.1968,
0.2285


 36.4797, 0.1968,
0.2285


331.0524, 0.2532,
0.2792


 24.8049, 0.1837,
0.2162


 69.7718, 0.2167,
0.2467


 15.9318, 0.1675,
0.2008


 92.1580, 0.2243,
0.2537


 9.4759, 0.1473,
0.1811


 118.8833, 0.2309,
0.2595

 5.0529, 0.1218,
0.1555

 150.3323, 0.2366,
0.2646

 2.2783, 0.0898,
0.1218

 186.8893, 0.2415,
0.2690

 0.7622, 0.0456,
0.0786

228.9387, 0.2459,

 0.0000, 0.0000,

0.2728

0.0000

276.8650, 0.2498,
0.2762

■ 36.4797, 0.1968,
0.2285

■ 36.4797, 0.1968,
0.2285

■ 36.4824, 0.1968,
0.2285

■ 39.5177, 0.2014,
0.2395

■ 42.9561, 0.2078,
0.2507

■ 46.8780, 0.2162,
0.2620

■ 51.3327, 0.2266,
0.2731

■ 56.3615, 0.2387,
0.2840

■ 62.0012, 0.2521,
0.2943

■ 68.2846, 0.2666,
0.3041

■ 75.2418, 0.2818,
0.3132

■ 82.9009, 0.2972,
0.3215

Harmonies

Analogous

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



36.4797, 0.1881, 0.2647



36.4797, 0.1968, 0.2285



36.4797, 0.2322, 0.2194

Triad

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



36.4797, 0.1968, 0.2285



36.4797, 0.4285, 0.3144



36.4797, 0.3200, 0.4548

Complementary

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



36.4797, 0.1968, 0.2285



24.0378, 0.6006, 0.3613

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.



36.4797, 0.3876, 0.4558



36.4797, 0.1968, 0.2285



36.4797, 0.4555, 0.3677

Square

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



36.4797, 0.1968, 0.2285



36.4797, 0.3653, 0.2673



36.4797, 0.4384, 0.4193



36.4797, 0.2540, 0.4042

Rectangle

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



36.4797, 0.1968, 0.2285



36.4797, 0.2696, 0.2265



36.4797, 0.4384, 0.4193



36.4797, 0.3433, 0.4606

Sweetspot

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



36.4824, 0.1968, 0.2285



74.7549, 0.2665, 0.3040



65.7239, 0.2906, 0.5663



15.3597, 0.2603, 0.3000



0.0000, 0.0000, 0.0000



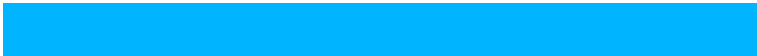
21.4041, 0.3127, 0.3290

Same Dimension

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



36.4824, 0.1968, 0.2285



39.8997, 0.1968, 0.2283



9.1443, 0.1556, 0.0801



17.8875, 0.2980, 0.3219



19.9099, 0.1973, 0.2303



1.9273, 0.2012, 0.2442

Inverse Universe

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



22.4254, 0.4142, 0.2055



24.5590, 0.4144, 0.2057



57.0616, 0.4645, 0.4694



16.6805, 0.3183, 0.3124



12.1093, 0.4123, 0.2045



1.0822, 0.3981, 0.1967

Previews

White Background



This preview shows how the Yxy color 36.4797, 0.1968, 0.2285 looks on a white background.

Color Contrast Check

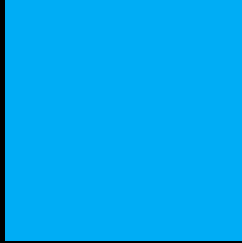
Large Text (above 18pt) WCAG AA × Fail

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 36.4797, 0.1968, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

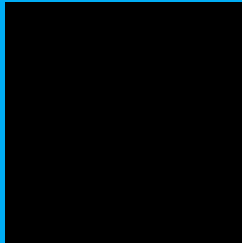
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

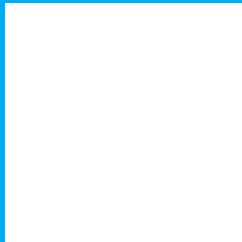
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4797, 0.1968, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 36.4797, 0.1968, 0.2285.



This preview shows how white text looks on a background with the Yxy color 36.4797, 0.1968, 0.2285.

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

36.4797, 0.1968, 0.2285

Protanopia

36.0827, 0.2413, 0.2317

Deuteranopia

36.1890, 0.2229, 0.2163



Tritanopia

36.4928, 0.2188, 0.3078

Trichromacy



Original Color

36.4797, 0.1968, 0.2285



Protanomaly

34.7401, 0.2138, 0.2279



Deuteranomaly

35.1622, 0.2058, 0.2178



Tritanomaly

36.1977, 0.2097, 0.2750

Monochromacy



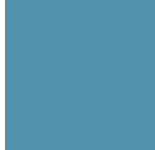
Original Color

36.4797, 0.1968, 0.2285



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.9849, 0.2376, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4797, 0.1968, 0.2285 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, 173, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 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(0, 173, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 245) }
```

Border

The CSS property to change the border of an element to Yxy 36.4797, 0.1968, 0.2285 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, 173, 245) }
```

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

```
.border{ border-color:rgb(0, 173, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4797, 0.1968, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 245) }
```

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

```
.background{ background-color: rgb(0, 173,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor