

Converting Colors

$Yxy(37.3217, 0.2136, 0.2877)$

Have a look what the booklet for
Yxy(37.3217, 0.2136, 0.2877)
contains.

Yxy(37.1862, 0.2134, 0.2869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.1862, 0.2134, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	06B4CF
RGB	6, 180, 207
RGB Percent	2%, 71%, 81%
CMY	0.9770, 0.2941, 0.1881
CMYK	0.97, 0.13, 0.00, 0.19
HSL	188°, 94%, 42%
HSV	188°, 97%, 81%
XYZ	27.6596, 37.1862, 64.7680
YIQ	131.0520, -112.3710, -28.4910

Conversions

Conversions Part 2

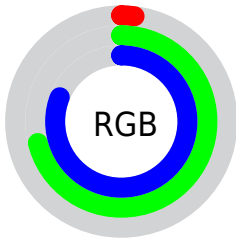
Format	Color
RYB	6, 99, 207
Decimal	439503
CIELab	67.42, -28.21, -24.38
CIELCh	67, 37.289, 220.830
Yxy	37.1862, 0.2134, 0.2869
Android (android.graphics.Color)	4278629583 (0xFF06B4CF)
YUV	131.0520, 37.4424, -109.6706
Hunter-Lab	60.9805, -25.7517, -20.2862

Details

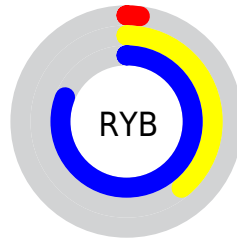
The Yxy color **37.1862, 0.2134, 0.2869** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.3632, 0.6231, 0.3401**, and the grayscale version is **22.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1540, 0.2345, 0.3060**, and **17.4787, 0.2097, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **36.8331, 0.2127, 0.2856**, and if you desaturate by 10%, it is **38.5110, 0.2165, 0.2916**.

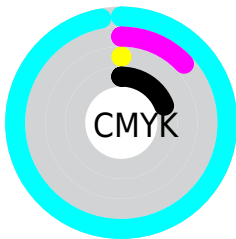
Distribution



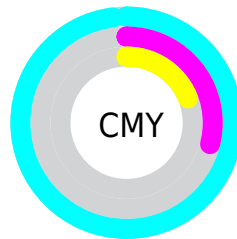
- Red (2%)
- Green (71%)
- Blue (81%)



- Red (2%)
- Yellow (39%)
- Blue (81%)



- Cyan (97%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)




- Cyan (98%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1862, 0.2134, 0.2869 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 37.1862, 0.2134, 0.2869 by changing the saturation by 10% instead.


 37.1862, 0.2134,
0.2869


 37.1862, 0.2134,
0.2869


334.1160, 0.2626,
0.3101


 25.3517, 0.2015,
0.2805


 70.8591, 0.2311,
0.2958

 16.3393, 0.1864,
0.2720


 93.4662, 0.2378,
0.2990

 9.7645, 0.1670,
0.2601


 120.4330, 0.2435,
0.3017

 5.2431, 0.1413,
0.2428

 152.1439, 0.2484,
0.3039

 2.3906, 0.1067,
0.2159

 188.9833, 0.2527,
0.3058

 0.8211, 0.0199,
0.1782

231.3354, 0.2564,

 0.0000, 0.0000,

0.3075

0.0000

279.5849, 0.2597,
0.3089

■ 37.1862, 0.2134,
0.2869

■ 37.1862, 0.2134,
0.2869

■ 36.8331, 0.2127,
0.2856

■ 38.5110, 0.2165,
0.2916

■ 40.0514, 0.2213,
0.2963

■ 41.8482, 0.2281,
0.3010

■ 43.9306, 0.2367,
0.3058

■ 46.3235, 0.2471,
0.3104

■ 49.0492, 0.2591,
0.3148

■ 52.1275, 0.2724,
0.3190

■ 55.5769, 0.2867,
0.3229

■ 59.4143, 0.3017,
0.3266

Harmonies

Analogous

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



37.1862, 0.2339, 0.3396



37.1862, 0.2134, 0.2869



37.1862, 0.2165, 0.2527

Triad

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



37.1862, 0.2134, 0.2869



37.1862, 0.3447, 0.2740



37.1862, 0.3818, 0.4261

Complementary

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



37.1862, 0.2134, 0.2869



14.3632, 0.6231, 0.3401

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.



37.1862, 0.4171, 0.3969



37.1862, 0.2134, 0.2869



37.1862, 0.3963, 0.3116

Square

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



37.1862, 0.2134, 0.2869



37.1862, 0.2878, 0.2487



37.1862, 0.4234, 0.3551



37.1862, 0.3297, 0.4282

Rectangle

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



37.1862, 0.2134, 0.2869



37.1862, 0.2312, 0.2422



37.1862, 0.4234, 0.3551



37.1862, 0.3961, 0.4186

Sweetspot

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



37.1875, 0.2134, 0.2869



82.3944, 0.2694, 0.3181



44.7846, 0.2970, 0.5869



17.1766, 0.2637, 0.3163



0.0000, 0.0000, 0.0000



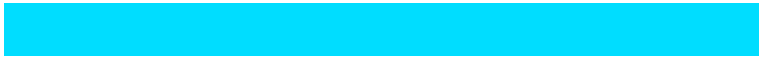
21.4041, 0.3127, 0.3290

Same Dimension

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



37.1875, 0.2134, 0.2869



58.7979, 0.2125, 0.2850



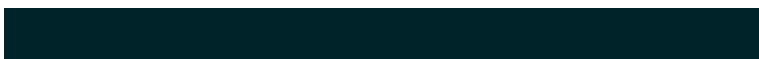
10.2256, 0.1675, 0.1208



13.1249, 0.2983, 0.3258



23.3010, 0.2129, 0.2862



1.3796, 0.2152, 0.2948

Inverse Universe

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



16.6918, 0.3570, 0.1751



26.4668, 0.3588, 0.1750



30.1295, 0.4992, 0.4398



11.9806, 0.3158, 0.3091



10.4235, 0.3577, 0.1744



0.5906, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 37.1862, 0.2134, 0.2869 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 37.1862, 0.2134, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

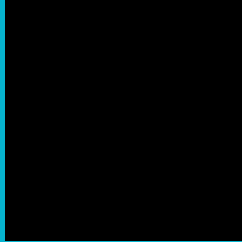
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1862, 0.2134, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 37.1862, 0.2134, 0.2869.

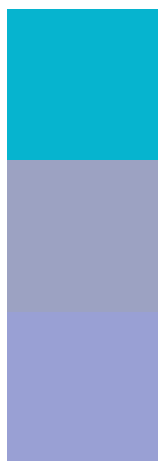


This preview shows how white text looks on a background with the Yxy color 37.1862, 0.2134, 0.2869.

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

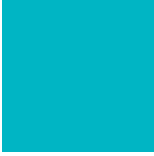
37.1862, 0.2134, 0.2869

Protanopia

36.8036, 0.2811, 0.2844

Deuteranopia

36.6674, 0.2654, 0.2589



Tritanopia

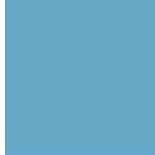
37.0333, 0.2180, 0.3048

Trichromacy



Original Color

37.1862, 0.2134, 0.2869



Protanomaly

35.2662, 0.2401, 0.2835



Deuteranomaly

34.9432, 0.2324, 0.2654



Tritanomaly

37.2308, 0.2165, 0.2988

Monochromacy



Original Color

37.1862, 0.2134, 0.2869



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.9294, 0.2488, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1862, 0.2134, 0.2869 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(6, 180, 207)` looks like.

```
.text, #text, p{  
    color:rgb(6, 180, 207)  
}
```

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(6, 180, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 180, 207) }
```

Border

The CSS property to change the border of an element to Yxy 37.1862, 0.2134, 0.2869 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(6, 180, 207) }
```

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

```
.border{ border-color:rgb(6, 180, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 180, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 180, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 180, 207);  
box-shadow:4px 4px 4px 4px rgb(6, 180,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1862, 0.2134, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 180, 207) }
```

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

```
.background{ background-color: rgb(6, 180,  
207) }
```

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