

Converting Colors

$Yxy(36.7481, 0.2135, 0.2868)$

Have a look what the booklet for
Yxy(36.7481, 0.2135, 0.2868)
contains.

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Color

Yxy(36.7481, 0.2135, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	08B3CE
RGB	8, 179, 206
RGB Percent	3%, 70%, 81%
CMY	0.9694, 0.2980, 0.1923
CMYK	0.96, 0.13, 0.00, 0.19
HSL	188°, 93%, 42%
HSV	188°, 96%, 81%
XYZ	27.3561, 36.7481, 64.0273
YIQ	130.9490, -110.5830, -27.8550

Conversions

Conversions Part 2

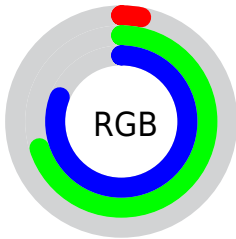
Format	Color
RYB	8, 100, 206
Decimal	570318
CIELab	67.09, -28.01, -24.30
CIELCh	67, 37.087, 220.943
Yxy	36.7481, 0.2135, 0.2868
Android (android.graphics.Color)	4278760398 (0xFF08B3CE)
YUV	130.9490, 37.0001, -107.8263
Hunter-Lab	60.6202, -25.5337, -20.1882

Details

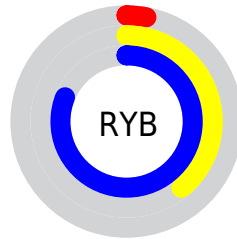
The Yxy color **36.7481, 0.2135, 0.2868** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.3239, 0.6207, 0.3409**, and the grayscale version is **22.5519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5797, 0.2342, 0.3048**, and **17.1887, 0.2096, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **36.2750, 0.2125, 0.2850**, and if you desaturate by 10%, it is **38.0867, 0.2168, 0.2915**.

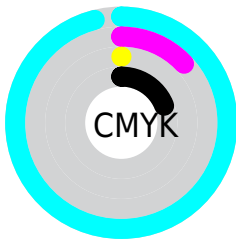
Distribution



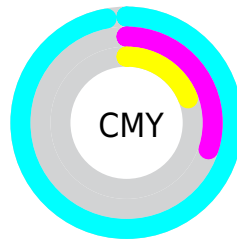
- Red (3%)
- Green (70%)
- Blue (81%)



- Red (3%)
- Yellow (39%)
- Blue (81%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)



- Cyan (97%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7481, 0.2135, 0.2868 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 36.7481, 0.2135, 0.2868 by changing the saturation by 10% instead.

 36.7481, 0.2135,
0.2868


 36.7481, 0.2135,
0.2868

332.2186, 0.2628,
0.3101


 25.0125, 0.2015,
0.2804


 70.1852, 0.2312,
0.2958


 16.0864, 0.1864,
0.2718


 92.6555, 0.2379,
0.2990

 9.5853, 0.1669,
0.2598


 119.4728, 0.2436,
0.3016

 5.1249, 0.1410,
0.2423

 151.0216, 0.2486,
0.3039

 2.3207, 0.1060,
0.2150

 187.6861, 0.2528,
0.3058

 0.7846, 0.0140,
0.1770

229.8509, 0.2566,

 0.0000, 0.0000,

0.3074

0.0000

277.9003, 0.2599,
0.3089

■ 36.7481, 0.2135,
0.2868

■ 36.7481, 0.2135,
0.2868

■ 36.2750, 0.2125,
0.2850

■ 38.0867, 0.2168,
0.2915

■ 39.6451, 0.2218,
0.2963

■ 41.4604, 0.2288,
0.3012

■ 43.5610, 0.2376,
0.3059

■ 45.9713, 0.2482,
0.3106

■ 48.7129, 0.2604,
0.3150

■ 51.8054, 0.2738,
0.3193

■ 55.2668, 0.2881,
0.3232

■ 59.1136, 0.3032,
0.3269

Harmonies

Analogous

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



36.7481, 0.2339, 0.3394



36.7481, 0.2135, 0.2868



36.7481, 0.2167, 0.2527

Triad

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



36.7481, 0.2135, 0.2868



36.7481, 0.3449, 0.2742



36.7481, 0.3815, 0.4260

Complementary

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



36.7481, 0.2135, 0.2868



14.3239, 0.6207, 0.3409

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.



36.7481, 0.4168, 0.3969



36.7481, 0.2135, 0.2868



36.7481, 0.3963, 0.3118

Square

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



36.7481, 0.2135, 0.2868



36.7481, 0.2880, 0.2489



36.7481, 0.4233, 0.3553



36.7481, 0.3295, 0.4280

Rectangle

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



36.7481, 0.2135, 0.2868



36.7481, 0.2315, 0.2423



36.7481, 0.4233, 0.3553



36.7481, 0.3958, 0.4186

Sweetspot

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



36.7494, 0.2135, 0.2868



82.3168, 0.2694, 0.3180



44.2978, 0.2968, 0.5856



17.1576, 0.2636, 0.3161



0.0000, 0.0000, 0.0000



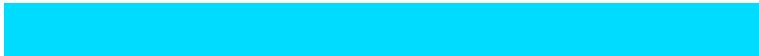
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7494, 0.2135, 0.2868



58.5648, 0.2124, 0.2844



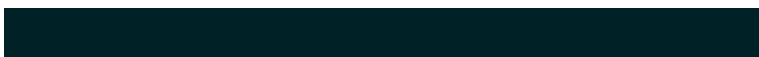
10.3113, 0.1682, 0.1226



12.4565, 0.2983, 0.3258



22.4478, 0.2127, 0.2857



1.2318, 0.2153, 0.2950

Inverse Universe

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



16.5427, 0.3571, 0.1755



26.4433, 0.3594, 0.1753



29.9961, 0.4978, 0.4402



11.3765, 0.3158, 0.3092



10.0691, 0.3582, 0.1747



0.5269, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 36.7481, 0.2135, 0.2868 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 36.7481, 0.2135, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

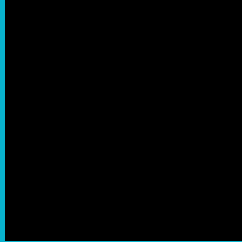
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7481, 0.2135, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 36.7481, 0.2135, 0.2868.

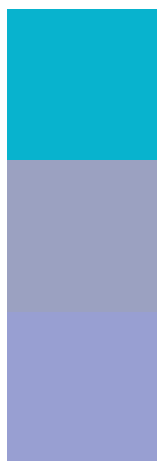


This preview shows how white text looks on a background with the Yxy color 36.7481, 0.2135, 0.2868.

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

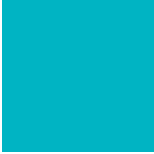
36.7481, 0.2135, 0.2868

Protanopia

36.3086, 0.2809, 0.2842

Deuteranopia

36.1248, 0.2658, 0.2597



Tritanopia

36.5826, 0.2180, 0.3047

Trichromacy



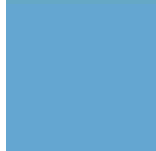
Original Color

36.7481, 0.2135, 0.2868



Protanomaly

34.8492, 0.2403, 0.2833



Deuteranomaly

34.5852, 0.2332, 0.2653



Tritanomaly

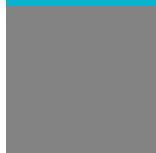
36.7854, 0.2165, 0.2986

Monochromacy



Original Color

36.7481, 0.2135, 0.2868



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.6269, 0.2499, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7481, 0.2135, 0.2868 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(8, 179, 206)` looks like.

```
.text, #text, p{  
    color:rgb(8, 179, 206)  
}
```

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(8, 179, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 179, 206) }
```

Border

The CSS property to change the border of an element to Yxy 36.7481, 0.2135, 0.2868 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(8, 179, 206) }
```

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

```
.border{ border-color:rgb(8, 179, 206) }
```

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

Here you see how a box with a 4 pixel rgb(8, 179, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 179, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 179, 206);  
box-shadow:4px 4px 4px 4px rgb(8, 179,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7481, 0.2135, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 179, 206) }
```

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

```
.background{ background-color: rgb(8, 179,  
206) }
```

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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