

Converting Colors

$Yxy(36.6405, 0.2142, 0.2875)$

Have a look what the booklet for
Yxy(36.6405, 0.2142, 0.2875)
contains.

Yxy(36.7495, 0.2144, 0.2882)	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(36.7495, 0.2144, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	0FB3CD
RGB	15, 179, 205
RGB Percent	6%, 70%, 80%
CMY	0.9410, 0.2980, 0.1960
CMYK	0.93, 0.13, 0.00, 0.20
HSL	188°, 86%, 43%
HSV	188°, 93%, 80%
XYZ	27.3390, 36.7495, 63.4254
YIQ	132.9280, -106.0900, -26.6820

Conversions

Conversions Part 2

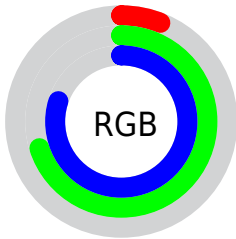
Format	Color
R _Y B	15, 103, 205
Decimal	1029069
CIE Lab	67.09, -28.09, -23.77
CIE LCh	67, 36.799, 220.247
Yxy	36.7495, 0.2144, 0.2882
Android (android.graphics.Color)	4279219149 (0xFF0FB3CD)
YUV	132.9280, 35.5315, -103.4229
Hunter-Lab	60.6214, -25.5876, -19.5975

Details

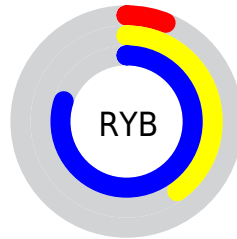
The Yxy color **36.7495, 0.2144, 0.2882** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.6081, 0.6123, 0.3431**, and the grayscale version is **23.3311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7008, 0.2349, 0.3049**, and **17.1561, 0.2101, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **35.8289, 0.2124, 0.2847**, and if you desaturate by 10%, it is **38.1532, 0.2183, 0.2930**.

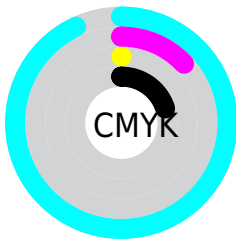
Distribution



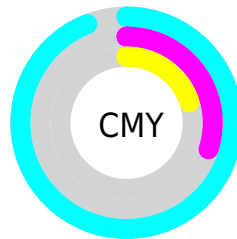
- Red (6%)
- Green (70%)
- Blue (80%)



- Red (6%)
- Yellow (40%)
- Blue (80%)



- Cyan (93%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)




- Cyan (94%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7495, 0.2144, 0.2882 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 36.7495, 0.2144, 0.2882 by changing the saturation by 10% instead.

 36.7495, 0.2144,
0.2882


 36.7495, 0.2144,
0.2882


332.2247, 0.2633,
0.3108

 25.0136, 0.2025,
0.2819


 70.1873, 0.2320,
0.2969


 16.0872, 0.1875,
0.2736


 92.6581, 0.2387,
0.3000

 9.5859, 0.1680,
0.2619


 119.4759, 0.2443,
0.3026

 5.1253, 0.1423,
0.2448

 151.0251, 0.2492,
0.3048

 2.3209, 0.1073,
0.2179

 187.6903, 0.2534,
0.3066

 0.7848, 0.0139,
0.1807

229.8556, 0.2571,

 0.0000, 0.0000,

0.3082

0.0000

277.9057, 0.2604,
0.3096

■ 36.7495, 0.2144,
0.2882

■ 36.7495, 0.2144,
0.2882

■ 35.8289, 0.2124,
0.2847

■ 38.1532, 0.2183,
0.2930

■ 39.7889, 0.2240,
0.2978

■ 41.6896, 0.2317,
0.3027

■ 43.8818, 0.2412,
0.3074

■ 46.3885, 0.2524,
0.3121

■ 49.2302, 0.2650,
0.3165

■ 52.4259, 0.2788,
0.3207

■ 55.9927, 0.2934,
0.3245

■ 59.9467, 0.3086,
0.3281

Harmonies

Analogous

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



36.7495, 0.2352, 0.3407



36.7495, 0.2144, 0.2882



36.7495, 0.2170, 0.2538

Triad

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



36.7495, 0.2144, 0.2882



36.7495, 0.3434, 0.2739



36.7495, 0.3821, 0.4249

Complementary

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



36.7495, 0.2144, 0.2882



14.6081, 0.6123, 0.3431

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.



36.7495, 0.4166, 0.3956



36.7495, 0.2144, 0.2882



36.7495, 0.3947, 0.3110

Square

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



36.7495, 0.2144, 0.2882



36.7495, 0.2870, 0.2490



36.7495, 0.4222, 0.3541



36.7495, 0.3307, 0.4275

Rectangle

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



36.7495, 0.2144, 0.2882



36.7495, 0.2314, 0.2431



36.7495, 0.4222, 0.3541



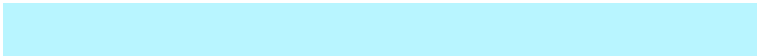
36.7495, 0.3962, 0.4174

Sweetspot

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



36.7508, 0.2144, 0.2882



82.7982, 0.2708, 0.3183



43.9325, 0.2962, 0.5804



17.2487, 0.2649, 0.3165



0.0000, 0.0000, 0.0000



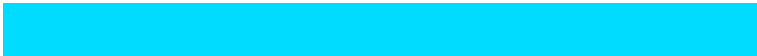
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7508, 0.2144, 0.2882



58.4414, 0.2123, 0.2841



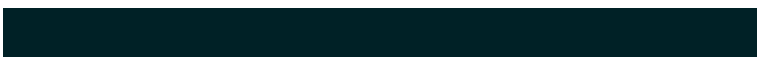
10.9614, 0.1709, 0.1297



12.4547, 0.2983, 0.3257



22.4019, 0.2126, 0.2854



1.2298, 0.2152, 0.2947

Inverse Universe

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



16.5803, 0.3557, 0.1761



26.4308, 0.3597, 0.1755



30.4475, 0.4927, 0.4414



11.3763, 0.3158, 0.3092



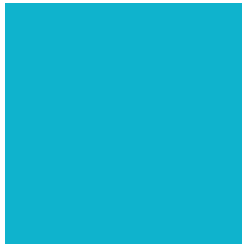
10.0645, 0.3585, 0.1749



0.5267, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 36.7495, 0.2144, 0.2882 looks on a white background.

Color Contrast Check

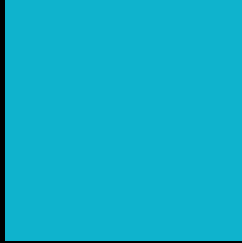
Large Text (above 18pt) WCAG AA × Fail

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 36.7495, 0.2144, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

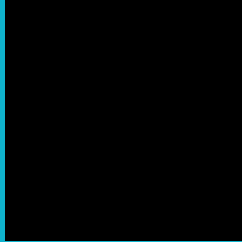
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7495, 0.2144, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 36.7495, 0.2144, 0.2882.

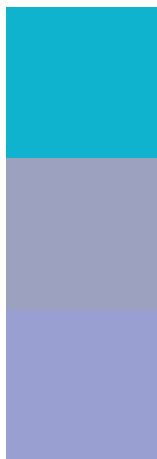


This preview shows how white text looks on a background with the Yxy color 36.7495, 0.2144, 0.2882.

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

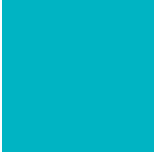
36.7495, 0.2144, 0.2882

Protanopia

36.3634, 0.2825, 0.2856

Deuteranopia

36.1720, 0.2673, 0.2610



Tritanopia

36.5826, 0.2180, 0.3047

Trichromacy



Original Color

36.7495, 0.2144, 0.2882



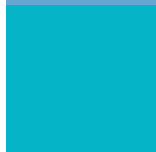
Protanomaly

35.0397, 0.2432, 0.2850



Deuteranomaly

34.7101, 0.2353, 0.2668



Tritanomaly

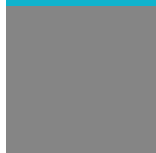
36.7983, 0.2166, 0.2986

Monochromacy



Original Color

36.7495, 0.2144, 0.2882



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.4896, 0.2526, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7495, 0.2144, 0.2882 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(15, 179, 205)` looks like.

```
.text, #text, p{  
    color:rgb(15, 179, 205)  
}
```

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(15, 179, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 179, 205) }
```

Border

The CSS property to change the border of an element to Yxy 36.7495, 0.2144, 0.2882 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(15, 179, 205) }
```

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

```
.border{ border-color:rgb(15, 179, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 179, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 179, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 179, 205);  
box-shadow:4px 4px 4px 4px rgb(15, 179,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7495, 0.2144, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 179, 205) }
```

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

```
.background{ background-color: rgb(15, 179,  
205) }
```

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