

Converting Colors

$Yxy(36.4861, 0.2021, 0.2882)$

Have a look what the booklet for
Yxy(36.4861, 0.2021, 0.2882)
contains.

Yxy(37.5527, 0.2135, 0.2885)	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(37.5527, 0.2135, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	00B5CF
RGB	0, 181, 207
RGB Percent	0%, 71%, 81%
CMY	0.9986, 0.2902, 0.1882
CMYK	1.00, 0.13, 0.00, 0.19
HSL	188°, 100%, 41%
HSV	188°, 100%, 81%
XYZ	27.7903, 37.5527, 64.8223
YIQ	129.8450, -116.2220, -30.2860

Conversions

Conversions Part 2

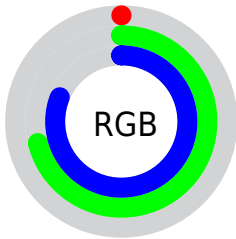
Format	Color
RYB	0, 97, 207
Decimal	46543
CIELab	67.69, -28.87, -23.96
CIELCh	68, 37.516, 219.685
Yxy	37.5527, 0.2135, 0.2885
Android (android.graphics.Color)	4278236623 (0xFF00B5CF)
YUV	129.8450, 38.0374, -113.8741
Hunter-Lab	61.2803, -26.2916, -19.8209

Details

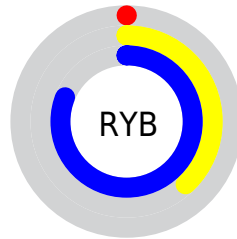
The Yxy color **37.5527, 0.2135, 0.2885** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.0234, 0.6296, 0.3381**, and the grayscale version is **22.1987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6719, 0.2345, 0.3073**, and **17.7383, 0.2103, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **37.5335, 0.2135, 0.2884**, and if you desaturate by 10%, it is **38.7816, 0.2162, 0.2928**.

Distribution



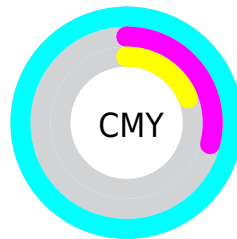
- Red (0%)
- Green (71%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5527, 0.2135, 0.2885 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 37.5527, 0.2135, 0.2885 by changing the saturation by 10% instead.


 37.5527, 0.2135,
0.2885


 37.5527, 0.2135,
0.2885


335.6973, 0.2626,
0.3109

 25.6357, 0.2016,
0.2823


 71.4220, 0.2311,
0.2971


 16.5513, 0.1866,
0.2740


 94.1432, 0.2378,
0.3002


 9.9151, 0.1673,
0.2625


 121.2344, 0.2435,
0.3028

 5.3427, 0.1417,
0.2457

 153.0803, 0.2484,
0.3049

 2.4497, 0.1073,
0.2195

 190.0651, 0.2527,
0.3068

 0.8513, 0.0224,
0.1827

232.5733, 0.2564,

 0.0000, 0.0000,

0.3083

0.0000

280.9892, 0.2597,
0.3097

■ 37.5527, 0.2135,
0.2885

■ 37.5527, 0.2135,
0.2885

■ 37.5335, 0.2135,
0.2884

■ 38.7816, 0.2162,
0.2928

■ 40.1984, 0.2204,
0.2972

■ 41.8601, 0.2266,
0.3017

■ 43.7972, 0.2346,
0.3061

■ 46.0359, 0.2445,
0.3104

■ 48.5987, 0.2560,
0.3146

■ 51.5063, 0.2689,
0.3186

■ 54.7773, 0.2829,
0.3224

■ 58.4290, 0.2977,
0.3259

Harmonies

Analogous

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



37.5527, 0.2349, 0.3419



37.5527, 0.2135, 0.2885



37.5527, 0.2157, 0.2534

Triad

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



37.5527, 0.2135, 0.2885



37.5527, 0.3426, 0.2727



37.5527, 0.3837, 0.4257

Complementary

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



37.5527, 0.2135, 0.2885



14.0234, 0.6296, 0.3381

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.



37.5527, 0.4182, 0.3956



37.5527, 0.2135, 0.2885



37.5527, 0.3949, 0.3100

Square

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



37.5527, 0.2135, 0.2885



37.5527, 0.2857, 0.2479



37.5527, 0.4233, 0.3535



37.5527, 0.3318, 0.4291

Rectangle

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



37.5527, 0.2135, 0.2885



37.5527, 0.2299, 0.2423



37.5527, 0.4233, 0.3535



37.5527, 0.3978, 0.4178

Sweetspot

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



37.5540, 0.2135, 0.2885



82.2727, 0.2681, 0.3184



44.7018, 0.2978, 0.5919



17.1721, 0.2625, 0.3167



0.0000, 0.0000, 0.0000



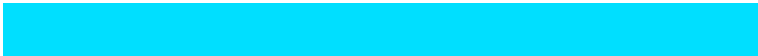
21.4041, 0.3127, 0.3290

Same Dimension

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



37.5540, 0.2135, 0.2885



59.9407, 0.2133, 0.2879



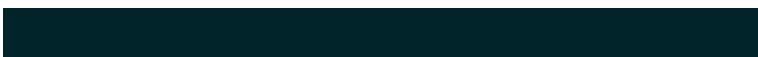
10.1831, 0.1668, 0.1204



13.1425, 0.2983, 0.3260



23.7408, 0.2136, 0.2890



1.4002, 0.2159, 0.2970

Inverse Universe

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



16.6109, 0.3557, 0.1734



26.5822, 0.3562, 0.1736



28.6527, 0.5076, 0.4350



11.9824, 0.3157, 0.3089



10.4679, 0.3552, 0.1730



0.5926, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 37.5527, 0.2135, 0.2885 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 37.5527, 0.2135, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

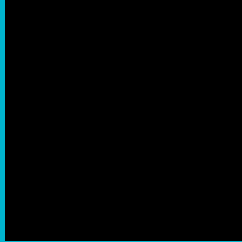
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5527, 0.2135, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 37.5527, 0.2135, 0.2885.



This preview shows how white text looks on a background with the Yxy color 37.5527, 0.2135, 0.2885.

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

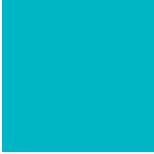
37.5527, 0.2135, 0.2885

Protanopia

36.9038, 0.2819, 0.2845

Deuteranopia

37.1132, 0.2663, 0.2604



Tritanopia

37.4871, 0.2180, 0.3049

Trichromacy



Original Color

37.5527, 0.2135, 0.2885



Protanomaly

35.2088, 0.2395, 0.2834



Deuteranomaly

35.2551, 0.2322, 0.2669



Tritanomaly

37.6729, 0.2164, 0.2989

Monochromacy



Original Color

37.5527, 0.2135, 0.2885



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.8025, 0.2482, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5527, 0.2135, 0.2885 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, 181, 207)` looks like.

```
.text, #text, p{  
  color:rgb(0, 181, 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(0, 181, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 207) }
```

Border

The CSS property to change the border of an element to Yxy 37.5527, 0.2135, 0.2885 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, 181, 207) }
```

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

```
.border{ border-color:rgb(0, 181, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5527, 0.2135, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 207) }
```

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

```
.background{ background-color: rgb(0, 181,  
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](#).

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