

Converting Colors

$Y_{xy}(35.1309, 0.1822, 0.2698)$

Have a look what the booklet for
Yxy(35.1309, 0.1822, 0.2698)
contains.

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Color

Yxy(37.6523, 0.2092, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	00B4D9
RGB	0, 180, 217
RGB Percent	0%, 71%, 85%
CMY	1.0000, 0.2941, 0.1491
CMYK	1.00, 0.17, 0.00, 0.15
HSL	190°, 100%, 43%
HSV	190°, 100%, 85%
XYZ	28.8424, 37.6523, 71.3753
YIQ	130.3980, -119.1570, -26.6530

Conversions

Conversions Part 2

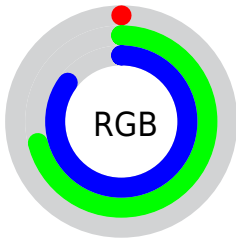
Format	Color
RYB	0, 98, 217
Decimal	46297
CIELab	67.76, -25.05, -29.32
CIELCh	68, 38.564, 229.484
Yxy	37.6523, 0.2092, 0.2731
Android (android.graphics.Color)	4278236377 (0xFF00B4D9)
YUV	130.3980, 42.6948, -114.3590
Hunter-Lab	61.3615, -23.4803, -26.0128

Details

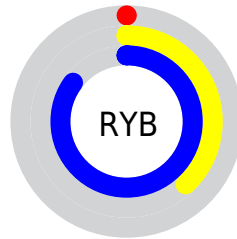
The Yxy color **37.6523, 0.2092, 0.2731** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.0690, 0.6241, 0.3426**, and the grayscale version is **22.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2142, 0.2348, 0.3061**, and **17.7874, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **37.6537, 0.2092, 0.2731**, and if you desaturate by 10%, it is **39.3335, 0.2124, 0.2792**.

Distribution



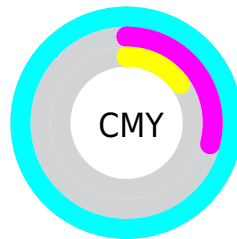
- Red (0%)
- Green (71%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6523, 0.2092, 0.2731 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 37.6523, 0.2092, 0.2731 by changing the saturation by 10% instead.


 37.6523, 0.2092,
0.2731


 37.6523, 0.2092,
0.2731


336.1261, 0.2602,
0.3031


 25.7129, 0.1970,
0.2651


 71.5749, 0.2274,
0.2844

 16.6090, 0.1817,
0.2547


 94.3269, 0.2343,
0.2885


 9.9561, 0.1622,
0.2405


 121.4519, 0.2402,
0.2920

 5.3699, 0.1367,
0.2205

 153.3344, 0.2453,
0.2949

 2.4659, 0.1029,
0.1908

 190.3586, 0.2498,
0.2974

 0.8595, 0.0355,
0.1484

232.9090, 0.2536,

 0.0000, 0.0000,

0.2996

0.0000

281.3701, 0.2571,
0.3015

■ 37.6523, 0.2092,
0.2731

■ 37.6523, 0.2092,
0.2731

■ 37.6537, 0.2092,
0.2731

■ 39.3335, 0.2124,
0.2792

■ 41.2414, 0.2171,
0.2853

■ 43.4394, 0.2238,
0.2914

■ 45.9625, 0.2324,
0.2975

■ 48.8402, 0.2428,
0.3035

■ 52.0981, 0.2548,
0.3093

■ 55.7595, 0.2681,
0.3148

■ 59.8457, 0.2824,
0.3199

■ 64.3761, 0.2974,
0.3247

Harmonies

Analogous

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



37.6523, 0.2232, 0.3228



37.6523, 0.2092, 0.2731



37.6523, 0.2192, 0.2447

Triad

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



37.6523, 0.2092, 0.2731



37.6523, 0.3624, 0.2826



37.6523, 0.3693, 0.4332

Complementary

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



37.6523, 0.2092, 0.2731



16.0690, 0.6241, 0.3426

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.



37.6523, 0.4121, 0.4092



37.6523, 0.2092, 0.2731



37.6523, 0.4101, 0.3236

Square

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



37.6523, 0.2092, 0.2731



37.6523, 0.3033, 0.2525



37.6523, 0.4284, 0.3685



37.6523, 0.3134, 0.4252

Rectangle

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



37.6523, 0.2092, 0.2731



37.6523, 0.2386, 0.2383



37.6523, 0.4284, 0.3685



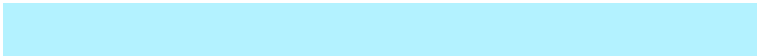
37.6523, 0.3857, 0.4280

Sweetspot

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



37.6537, 0.2092, 0.2731



80.2282, 0.2677, 0.3146



49.7412, 0.2962, 0.5864



16.6773, 0.2619, 0.3123



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.



37.6537, 0.2092, 0.2731



54.0837, 0.2091, 0.2726



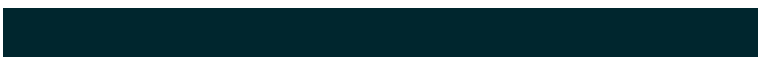
9.6853, 0.1628, 0.1061



14.4323, 0.2982, 0.3249



22.9356, 0.2095, 0.2740



1.5878, 0.2122, 0.2839

Inverse Universe

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



18.0434, 0.3699, 0.1811



25.9909, 0.3704, 0.1814



34.8919, 0.4942, 0.4458



13.2348, 0.3164, 0.3098



10.9391, 0.3691, 0.1807



0.7190, 0.3599, 0.1756

Previews

White Background



This preview shows how the Yxy color 37.6523, 0.2092, 0.2731 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 37.6523, 0.2092, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

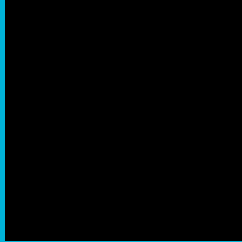
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6523, 0.2092, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 37.6523, 0.2092, 0.2731.



This preview shows how white text looks on a background with the Yxy color 37.6523, 0.2092, 0.2731.

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

37.6523, 0.2092, 0.2731

Protanopia

37.0703, 0.2721, 0.2715

Deuteranopia

37.3570, 0.2560, 0.2505



Tritanopia

37.4871, 0.2180, 0.3049

Trichromacy



Original Color

37.6523, 0.2092, 0.2731



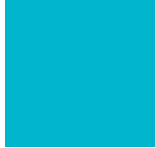
Protanomaly

35.5761, 0.2330, 0.2698



Deuteranomaly

35.9229, 0.2256, 0.2555



Tritanomaly

37.4074, 0.2147, 0.2929

Monochromacy



Original Color

37.6523, 0.2092, 0.2731



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.6274, 0.2452, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6523, 0.2092, 0.2731 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, 180, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 217)  
}
```

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, 180, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 217) }
```

Border

The CSS property to change the border of an element to Yxy 37.6523, 0.2092, 0.2731 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, 180, 217) }
```

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

```
.border{ border-color:rgb(0, 180, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6523, 0.2092, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 217) }
```

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

```
.background{ background-color: rgb(0, 180,  
217) }
```

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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