

Converting Colors

$Y_{xy}(29.3955, 0.1150, 0.2370)$

Have a look what the booklet for
Yxy(29.3955, 0.1150, 0.2370)
contains.

Yxy(37.6103, 0.2034, 0.2521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6103, 0.2034, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	01B2E7
RGB	1, 178, 231
RGB Percent	0%, 70%, 91%
CMY	0.9976, 0.3020, 0.0943
CMYK	1.00, 0.23, 0.00, 0.09
HSL	194°, 99%, 45%
HSV	194°, 100%, 91%
XYZ	30.3448, 37.6103, 81.2329
YIQ	131.1190, -122.5050, -21.0410

Conversions

Conversions Part 2

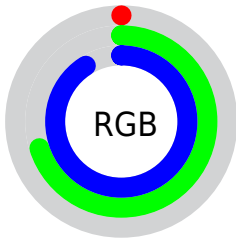
Format	Color
R_{YB}	1, 101, 231
Decimal	111335
CIE _{Lab}	67.73, -19.18, -37.03
CIE _{LCh}	68, 41.701, 242.611
Yxy	37.6103, 0.2034, 0.2521
Android (android.graphics.Color)	4278301415 (0xFF01B2E7)
YUV	131.1190, 49.2413, -114.1144
Hunter-Lab	61.3272, -19.0005, -35.6053

Details

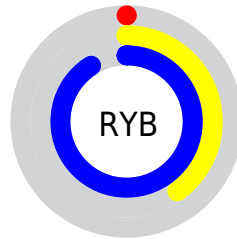
The Yxy color **37.6103, 0.2034, 0.2521** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.5820, 0.6135, 0.3508**, and the grayscale version is **22.5486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2538, 0.2353, 0.3037**, and **17.7624, 0.1982, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **37.5528, 0.2033, 0.2519**, and if you desaturate by 10%, it is **39.9525, 0.2073, 0.2605**.

Distribution



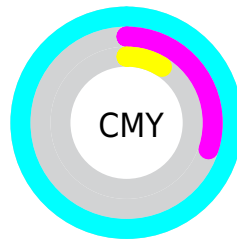
- Red (0%)
- Green (70%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6103, 0.2034, 0.2521 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 37.6103, 0.2034, 0.2521 by changing the saturation by 10% instead.

37.6103, 0.2034,
0.2521

37.6103, 0.2034,
0.2521

335.9453, 0.2568,
0.2921

25.6804, 0.1908,
0.2420

71.5104, 0.2223,
0.2668

16.5847, 0.1752,
0.2290

94.2494, 0.2296,
0.2723

9.9388, 0.1554,
0.2119

121.3602, 0.2358,
0.2769

5.3584, 0.1300,
0.1887

153.2273, 0.2412,
0.2808

2.4591, 0.0972,
0.1564

190.2349, 0.2458,
0.2842

0.8560, 0.0452,
0.1120

232.7675, 0.2499,

0.0000, 0.0000,

0.2872

0.0000

281.2095, 0.2536,
0.2898

■ 37.6103, 0.2034,
0.2521

■ 37.6103, 0.2034,
0.2521

■ 37.5528, 0.2033,
0.2519

■ 39.9525, 0.2073,
0.2605

■ 42.5984, 0.2128,
0.2691

■ 45.6175, 0.2204,
0.2776

■ 49.0510, 0.2299,
0.2861

■ 52.9335, 0.2411,
0.2944

■ 57.2957, 0.2539,
0.3024

■ 62.1651, 0.2678,
0.3099

■ 67.5667, 0.2825,
0.3169

■ 73.5238, 0.2977,
0.3233

Harmonies

Analogous

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



37.6103, 0.2068, 0.2959



37.6103, 0.2034, 0.2521



37.6103, 0.2248, 0.2328

Triad

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



37.6103, 0.2034, 0.2521



37.6103, 0.3919, 0.2971



37.6103, 0.3475, 0.4434

Complementary

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



37.6103, 0.2034, 0.2521



19.5820, 0.6135, 0.3508

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.



37.6103, 0.4019, 0.4296



37.6103, 0.2034, 0.2521



37.6103, 0.4314, 0.3435

Square

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



37.6103, 0.2034, 0.2521



37.6103, 0.3303, 0.2593



37.6103, 0.4341, 0.3910



37.6103, 0.2866, 0.4172

Rectangle

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



37.6103, 0.2034, 0.2521



37.6103, 0.2521, 0.2328



37.6103, 0.4341, 0.3910



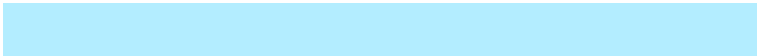
37.6103, 0.3672, 0.4427

Sweetspot

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



37.6116, 0.2034, 0.2521



77.5512, 0.2671, 0.3095



57.3694, 0.2941, 0.5787



16.0315, 0.2612, 0.3064



0.0000, 0.0000, 0.0000



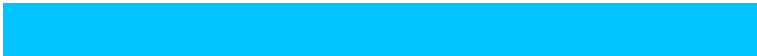
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6116, 0.2034, 0.2521



46.8677, 0.2032, 0.2514



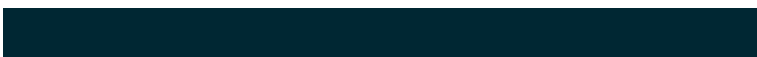
9.6525, 0.1595, 0.0941



15.7449, 0.2981, 0.3235



21.2569, 0.2037, 0.2532



1.7081, 0.2071, 0.2656

Inverse Universe

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



20.2100, 0.3901, 0.1924



25.2625, 0.3908, 0.1927



44.1450, 0.4809, 0.4562



14.5555, 0.3173, 0.3111



11.3436, 0.3890, 0.1917



0.8521, 0.3770, 0.1851

Previews

White Background



This preview shows how the Yxy color 37.6103, 0.2034, 0.2521 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 37.6103, 0.2034, 0.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

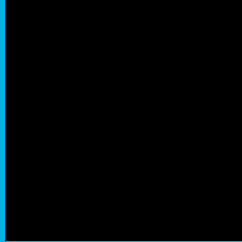
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6103, 0.2034, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 37.6103, 0.2034, 0.2521.

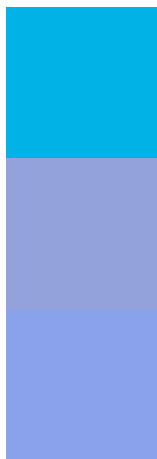


This preview shows how white text looks on a background with the Yxy color 37.6103, 0.2034, 0.2521.

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

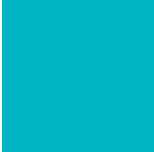
37.6168, 0.2034, 0.2521

Protanopia

37.2510, 0.2573, 0.2528

Deuteranopia

37.1572, 0.2402, 0.2335



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



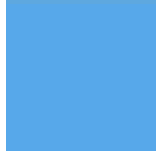
Original Color

37.6168, 0.2034, 0.2521



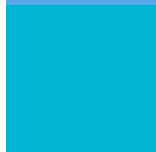
Protanomaly

35.7127, 0.2239, 0.2503



Deuteranomaly

35.9720, 0.2160, 0.2369



Tritanomaly

37.6512, 0.2127, 0.2857

Monochromacy



Original Color

37.6168, 0.2034, 0.2521



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.8546, 0.2425, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6103, 0.2034, 0.2521 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(1, 178, 231)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 231)  
}
```

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(1, 178, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 231) }
```

Border

The CSS property to change the border of an element to Yxy 37.6103, 0.2034, 0.2521 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(1, 178, 231) }
```

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

```
.border{ border-color:rgb(1, 178, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 178, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 178, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 178, 231); box-shadow:4px 4px 4px 4px rgb(1, 178, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6103, 0.2034, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 231) }
```

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

```
.background{ background-color: rgb(1, 178,  
231) }
```

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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