

Converting Colors

$Y_{xy}(37.6337, 0.2070, 0.2573)$

Have a look what the booklet for
Yxy(37.6337, 0.2070, 0.2573)
contains.

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Color

Yxy(37.6481, 0.2071, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	1DB2E3
RGB	29, 178, 227
RGB Percent	11%, 70%, 89%
CMY	0.8858, 0.3019, 0.1099
CMYK	0.87, 0.22, 0.00, 0.11
HSL	195°, 78%, 50%
HSV	195°, 87%, 89%
XYZ	30.2911, 37.6481, 78.3238
YIQ	139.0350, -104.5330, -16.3490

Conversions

Conversions Part 2

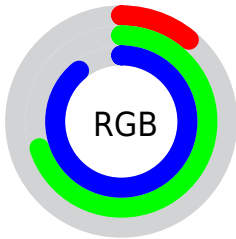
Format	Color
R _Y B	29, 114, 227
Decimal	1946339
CIE Lab	67.76, -19.51, -34.79
CIE LCh	68, 39.883, 240.719
Yxy	37.6481, 0.2071, 0.2574
Android (android.graphics.Color)	4280136419 (0xFF1DB2E3)
YUV	139.0350, 43.3667, -96.5007
Hunter-Lab	61.3580, -19.2552, -32.7333

Details

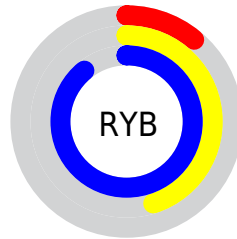
The Yxy color **37.6481, 0.2071, 0.2574** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.8765, 0.5764, 0.3642**, and the grayscale version is **25.7060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5763, 0.2370, 0.3038**, and **17.6075, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **35.2379, 0.2027, 0.2482**, and if you desaturate by 10%, it is **40.3932, 0.2134, 0.2667**.

Distribution



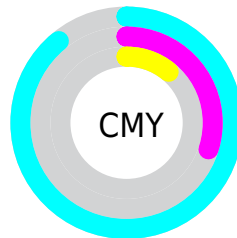
- Red (11%)
- Green (70%)
- Blue (89%)



- Red (11%)
- Yellow (45%)
- Blue (89%)



- Cyan (87%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)




- Cyan (89%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6481, 0.2071, 0.2574 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 37.6481, 0.2071, 0.2574 by changing the saturation by 10% instead.


 37.6481, 0.2071,
0.2574


 37.6481, 0.2071,
0.2574


336.1080, 0.2589,
0.2948


 25.7097, 0.1948,
0.2478


 71.5684, 0.2255,
0.2712

 16.6066, 0.1795,
0.2355


 94.3192, 0.2326,
0.2764


 9.9544, 0.1600,
0.2192


 121.4428, 0.2386,
0.2807

 5.3687, 0.1348,
0.1968

 153.3237, 0.2437,
0.2843

 2.4652, 0.1019,
0.1651

 190.3462, 0.2483,
0.2875

 0.8591, 0.0478,
0.1207

232.8949, 0.2522,

 0.0000, 0.0000,

0.2903

0.0000

281.3540, 0.2557,
0.2927

■ 37.6481, 0.2071,
0.2574

■ 37.6481, 0.2071,
0.2574

■ 35.2379, 0.2027,
0.2482

■ 40.3932, 0.2134,
0.2667

■ 34.5941, 0.2016,
0.2457

■ 43.5184, 0.2218,
0.2760

■ 47.0628, 0.2320,
0.2851

■ 51.0588, 0.2439,
0.2940

■ 55.5350, 0.2571,
0.3024

■ 60.5172, 0.2714,
0.3104

■ 66.0293, 0.2863,
0.3178

■ 72.0933, 0.3017,
0.3245

■ 78.7300, 0.3171,
0.3307

Harmonies

Analogous

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



37.6481, 0.2121, 0.3010



37.6481, 0.2071, 0.2574



37.6481, 0.2263, 0.2371

Triad

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



37.6481, 0.2071, 0.2574



37.6481, 0.3852, 0.2959



37.6481, 0.3500, 0.4383

Complementary

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



37.6481, 0.2071, 0.2574



21.8765, 0.5764, 0.3642

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.



37.6481, 0.4012, 0.4238



37.6481, 0.2071, 0.2574



37.6481, 0.4247, 0.3404

Square

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



37.6481, 0.2071, 0.2574



37.6481, 0.3258, 0.2601



37.6481, 0.4298, 0.3862



37.6481, 0.2915, 0.4156

Rectangle

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



37.6481, 0.2071, 0.2574



37.6481, 0.2517, 0.2361



37.6481, 0.4298, 0.3862



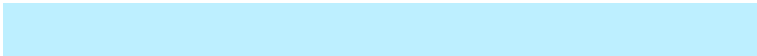
37.6481, 0.3687, 0.4371

Sweetspot

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



37.6494, 0.2071, 0.2574



79.4941, 0.2729, 0.3112



55.6987, 0.2900, 0.5522



16.5093, 0.2678, 0.3085



0.0000, 0.0000, 0.0000



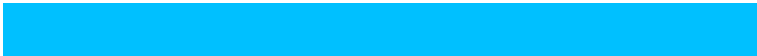
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6494, 0.2071, 0.2574



44.8697, 0.2014, 0.2451



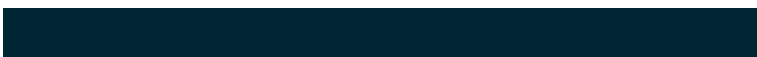
11.8232, 0.1684, 0.1145



15.7004, 0.2981, 0.3230



20.3736, 0.2020, 0.2471



1.6495, 0.2057, 0.2604

Inverse Universe

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



20.4254, 0.3841, 0.1954



25.0608, 0.3971, 0.1961



46.7696, 0.4635, 0.4605



14.5511, 0.3176, 0.3115



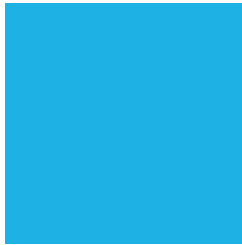
11.2544, 0.3952, 0.1951



0.8462, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 37.6481, 0.2071, 0.2574 looks on a white background.

Color Contrast Check

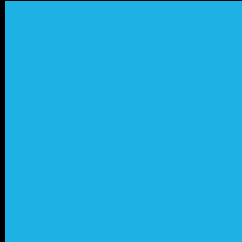
Large Text (above 18pt) WCAG AA × Fail

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 37.6481, 0.2071, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

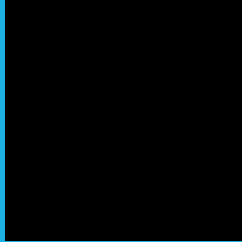
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6481, 0.2071, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 37.6481, 0.2071, 0.2574.

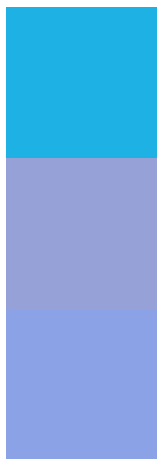


This preview shows how white text looks on a background with the Yxy color 37.6481, 0.2071, 0.2574.

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

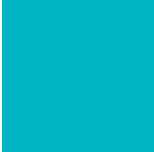
37.6481, 0.2071, 0.2574

Protanopia

37.2310, 0.2614, 0.2577

Deuteranopia

37.1856, 0.2444, 0.2382



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.6481, 0.2071, 0.2574



Protanomaly

36.1839, 0.2318, 0.2563



Deuteranomaly

36.4278, 0.2235, 0.2427



Tritanomaly

37.6239, 0.2142, 0.2886

Monochromacy



Original Color

37.6481, 0.2071, 0.2574



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.3754, 0.2514, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6481, 0.2071, 0.2574 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(29, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(29, 178, 227)  
}
```

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(29, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 178, 227) }
```

Border

The CSS property to change the border of an element to Yxy 37.6481, 0.2071, 0.2574 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(29, 178, 227) }
```

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

```
.border{ border-color:rgb(29, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(29, 178,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6481, 0.2071, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 178, 227) }
```

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

```
.background{ background-color: rgb(29, 178,  
227) }
```

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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