

Converting Colors

$Y_{xy}(42.4234, 0.1997, 0.2369)$

Have a look what the booklet for
Yxy(42.4234, 0.1997, 0.2369)
contains.

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Color

Yxy(42.4160, 0.1997, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	0DBAFF
RGB	13, 186, 255
RGB Percent	5%, 73%, 100%
CMY	0.9504, 0.2706, 0.0000
CMYK	0.95, 0.27, 0.00, 0.00
HSL	197°, 100%, 52%
HSV	197°, 95%, 100%
XYZ	35.7706, 42.4160, 100.9350
YIQ	142.1390, -125.2570, -15.2170

Conversions

Conversions Part 2

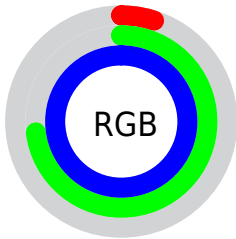
Format	Color
R_{YB}	13, 114, 255
Decimal	899839
CIE _{Lab}	71.16, -14.68, -44.74
CIE _{LCh}	71, 47.087, 251.832
Yxy	42.4160, 0.1997, 0.2368
Android (android.graphics.Color)	4279089919 (0xFF0DBAFF)
YUV	142.1390, 55.6405, -113.2549
Hunter-Lab	65.1276, -15.9341, -46.2986

Details

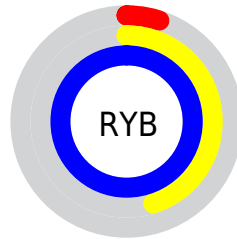
The Yxy color **42.4160, 0.1997, 0.2368** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **27.2720, 0.5917, 0.3642**, and the grayscale version is **26.8744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3691, 0.2398, 0.3135**, and **20.8523, 0.1937, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **40.8338, 0.1977, 0.2316**, and if you desaturate by 10%, it is **45.8850, 0.2049, 0.2476**.

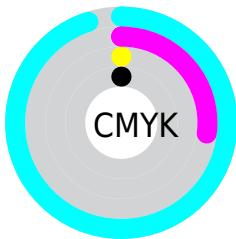
Distribution



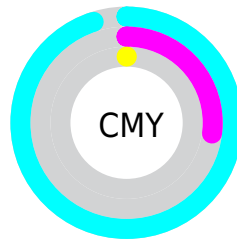
- Red (5%)
- Green (73%)
- Blue (100%)



- Red (5%)
- Yellow (45%)
- Blue (100%)



- Cyan (95%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4160, 0.1997, 0.2368 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 42.4160, 0.1997, 0.2368 by changing the saturation by 10% instead.

42.4160, 0.1997,
0.2368

42.4160, 0.1997,
0.2368

356.2045, 0.2535,
0.2827

29.4272, 0.1874,
0.2258

78.8288, 0.2184,
0.2532

19.4042, 0.1725,
0.2121

103.0216, 0.2257,
0.2594

11.9627, 0.1539,
0.1946

131.7179, 0.2320,
0.2648

6.7183, 0.1305,
0.1719

165.3019, 0.2374,
0.2694

3.2866, 0.1011,
0.1419

204.1583, 0.2422,
0.2733

1.2831, 0.0650,
0.1023

248.6712, 0.2464,

0.1281, 0.0000,

0.2768

0.0224

299.2252, 0.2501,
0.2799

■ 0.0000, 0.0000,
0.0000

■ 42.4160, 0.1997,
0.2368

■ 42.4160, 0.1997,
0.2368

■ 40.8338, 0.1977,
0.2316

■ 45.8850, 0.2049,
0.2476

■ 49.8436, 0.2122,
0.2585

■ 54.3519, 0.2215,
0.2694

■ 59.4590, 0.2326,
0.2800

■ 65.2078, 0.2453,
0.2903

■ 71.6362, 0.2592,
0.3001

■ 78.7788, 0.2740,
0.3093

■ 86.6673, 0.2894,
0.3177

■ 95.3314, 0.3049,
0.3254

Harmonies

Analogous

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



42.4160, 0.1950, 0.2753



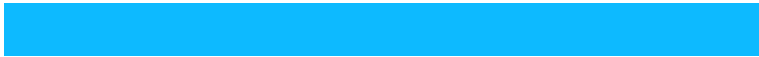
42.4160, 0.1997, 0.2368



42.4160, 0.2302, 0.2245

Triad

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



42.4160, 0.1997, 0.2368



42.4160, 0.4155, 0.3089



42.4160, 0.3292, 0.4501

Complementary

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



42.4160, 0.1997, 0.2368



27.2720, 0.5917, 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.



42.4160, 0.3921, 0.4460



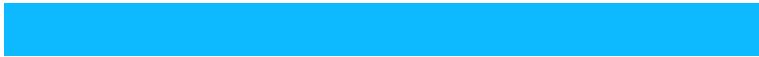
42.4160, 0.1997, 0.2368



42.4160, 0.4467, 0.3595

Square

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



42.4160, 0.1997, 0.2368



42.4160, 0.3531, 0.2651



42.4160, 0.4364, 0.4093



42.4160, 0.2652, 0.4082

Rectangle

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



42.4160, 0.1997, 0.2368



42.4160, 0.2640, 0.2292



42.4160, 0.4364, 0.4093



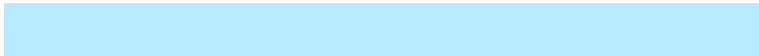
42.4160, 0.3512, 0.4537

Sweetspot

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



42.4154, 0.1997, 0.2368



75.8622, 0.2681, 0.3057



72.2018, 0.2891, 0.5578



15.5929, 0.2618, 0.3018



0.0000, 0.0000, 0.0000



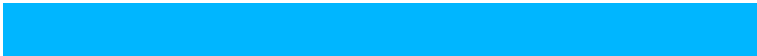
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4154, 0.1997, 0.2368



40.8338, 0.1977, 0.2316



11.1018, 0.1585, 0.0875



19.5558, 0.2980, 0.3221



21.6039, 0.1982, 0.2333



2.2899, 0.2016, 0.2455

Inverse Universe

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



25.0836, 0.4053, 0.2023



24.6533, 0.4110, 0.2038



63.7600, 0.4610, 0.4699



18.2070, 0.3182, 0.3121



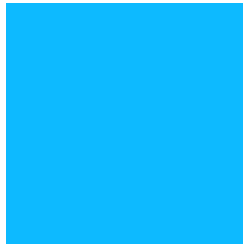
12.9089, 0.4092, 0.2028



1.2757, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 42.4160, 0.1997, 0.2368 looks on a white background.

Color Contrast Check

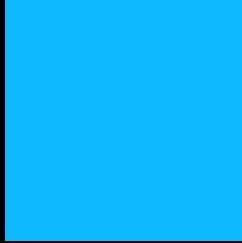
Large Text (above 18pt) WCAG AA × Fail

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 42.4160, 0.1997, 0.2368 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

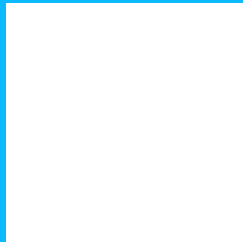
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4160, 0.1997, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 42.4160, 0.1997, 0.2368.

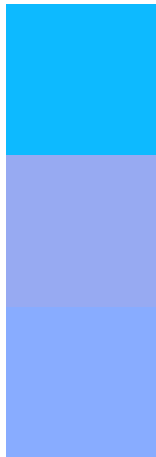


This preview shows how white text looks on a background with the Yxy color 42.4160, 0.1997, 0.2368.

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

42.4234, 0.1997, 0.2369

Protanopia

41.7396, 0.2471, 0.2389

Deuteranopia

41.9593, 0.2317, 0.2264



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.4234, 0.1997, 0.2369

Protanomaly

40.5328, 0.2190, 0.2356

Deuteranomaly

40.8884, 0.2122, 0.2278

Tritanomaly

42.2410, 0.2112, 0.2794

Monochromacy



Original Color

42.4234, 0.1997, 0.2369

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

30.3055, 0.2426, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4160, 0.1997, 0.2368 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(13, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 186, 255)  
}
```

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(13, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4160, 0.1997, 0.2368 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(13, 186, 255) }
```

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

```
.border{ border-color:rgb(13, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(13, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4160, 0.1997, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 186, 255) }
```

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

```
.background{ background-color: rgb(13, 186,  
255) }
```

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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