

Converting Colors

$Y_{xy}(42.9494, 0.2010, 0.2384)$

Have a look what the booklet for
Yxy(42.9494, 0.2010, 0.2384)
contains.

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Color

Yxy(42.9673, 0.2010, 0.2385)

Conversions

Conversions Part 1

Format	Color
Hex	19BBFF
RGB	25, 187, 255
RGB Percent	10%, 73%, 100%
CMY	0.9034, 0.2666, 0.0001
CMYK	0.90, 0.27, 0.00, 0.00
HSL	198°, 100%, 55%
HSV	198°, 90%, 100%
XYZ	36.2114, 42.9673, 100.9777
YIQ	146.3140, -118.3800, -13.1960

Conversions

Conversions Part 2

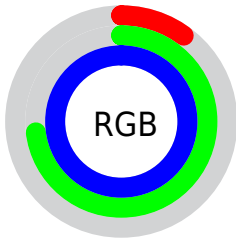
Format	Color
R _Y B	25, 120, 255
Decimal	1686527
CIE Lab	71.53, -14.83, -44.12
CIE LCh	72, 46.544, 251.425
Yxy	42.9673, 0.2010, 0.2385
Android (android.graphics.Color)	4279876607 (0xFF19BBFF)
YUV	146.3140, 53.5822, -106.3924
Hunter-Lab	65.5494, -16.1029, -45.4505

Details

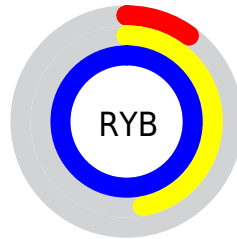
The Yxy color **42.9673, 0.2010, 0.2385** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **29.0829, 0.5769, 0.3705**, and the grayscale version is **28.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1727, 0.2411, 0.3148**, and **21.1274, 0.1942, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **39.7609, 0.1966, 0.2278**, and if you desaturate by 10%, it is **46.7247, 0.2073, 0.2498**.

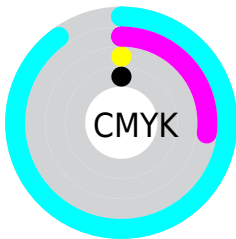
Distribution



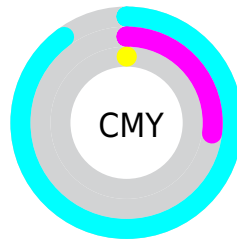
- Red (10%)
- Green (73%)
- Blue (100%)



- Red (10%)
- Yellow (47%)
- Blue (100%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9673, 0.2010, 0.2385 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 42.9673, 0.2010, 0.2385 by changing the saturation by 10% instead.


 42.9673, 0.2010,
0.2385


 42.9673, 0.2010,
0.2385


358.4773, 0.2541,
0.2835


 29.8595, 0.1889,
0.2277


 79.6615, 0.2195,
0.2546

 19.7319, 0.1741,
0.2143


 104.0167, 0.2267,
0.2607

 12.2003, 0.1557,
0.1971


 132.8897, 0.2329,
0.2659

 6.8803, 0.1326,
0.1747

 166.6651, 0.2382,
0.2704

 3.3873, 0.1034,
0.1451

 205.7271, 0.2430,
0.2744

 1.3371, 0.0673,
0.1057

250.4602, 0.2471,

 0.1697, 0.0000,

0.2778

0.0294

301.2488, 0.2508,
0.2808

■ 0.0000, 0.0000,
0.0000

■ 42.9673, 0.2010,
0.2385

■ 42.9673, 0.2010,
0.2385

■ 39.7609, 0.1966,
0.2278

■ 46.7247, 0.2073,
0.2498

■ 51.0109, 0.2157,
0.2611

■ 55.8821, 0.2260,
0.2723

■ 61.3843, 0.2381,
0.2833

■ 67.5581, 0.2515,
0.2937

74.4400, 0.2660,
0.3036

82.0634, 0.2812,
0.3128

90.4592, 0.2967,
0.3212

99.6563, 0.3122,
0.3288

Harmonies

Analogous

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



42.9673, 0.1967, 0.2769



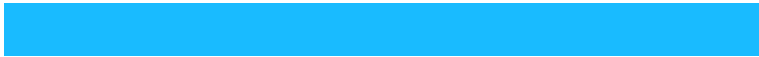
42.9673, 0.2010, 0.2385



42.9673, 0.2308, 0.2259

Triad

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



42.9673, 0.2010, 0.2385



42.9673, 0.4132, 0.3087



42.9673, 0.3300, 0.4483

Complementary

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



42.9673, 0.2010, 0.2385



29.0829, 0.5769, 0.3705

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.



42.9673, 0.3918, 0.4440



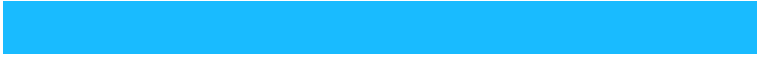
42.9673, 0.2010, 0.2385



42.9673, 0.4445, 0.3586

Square

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



42.9673, 0.2010, 0.2385



42.9673, 0.3516, 0.2655



42.9673, 0.4350, 0.4077



42.9673, 0.2668, 0.4077

Rectangle

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



42.9673, 0.2010, 0.2385



42.9673, 0.2640, 0.2304



42.9673, 0.4350, 0.4077



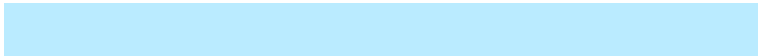
42.9673, 0.3516, 0.4516

Sweetspot

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



42.9687, 0.2010, 0.2385



76.9149, 0.2710, 0.3067



72.4477, 0.2876, 0.5486



15.9243, 0.2659, 0.3035



0.0000, 0.0000, 0.0000



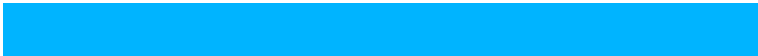
21.4041, 0.3127, 0.3290

Same Dimension

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



42.9687, 0.2010, 0.2385



39.7667, 0.1966, 0.2278



12.3905, 0.1620, 0.0959



19.5230, 0.2980, 0.3218



21.0509, 0.1971, 0.2296



2.2396, 0.2007, 0.2423

Inverse Universe

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



25.5248, 0.4032, 0.2036



24.5456, 0.4149, 0.2059



65.0229, 0.4571, 0.4698



18.2037, 0.3183, 0.3124



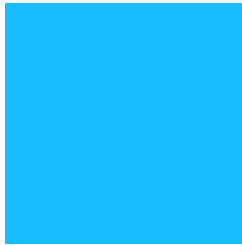
12.8531, 0.4130, 0.2049



1.2706, 0.3999, 0.1977

Previews

White Background



This preview shows how the Yxy color 42.9673, 0.2010, 0.2385 looks on a white background.

Color Contrast Check

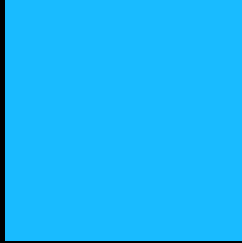
Large Text (above 18pt) WCAG AA × Fail

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 42.9673, 0.2010, 0.2385 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

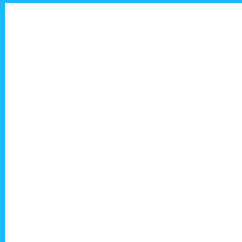
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9673, 0.2010, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 42.9673, 0.2010, 0.2385.



This preview shows how white text looks on a background with the Yxy color 42.9673, 0.2010, 0.2385.

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

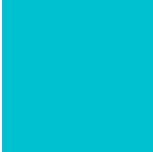
42.9673, 0.2010, 0.2385

Protanopia

42.2120, 0.2479, 0.2404

Deuteranopia

42.5104, 0.2331, 0.2279



Tritanopia

42.6940, 0.2184, 0.3061

Trichromacy



Original Color

42.9673, 0.2010, 0.2385

Protanomaly

41.2239, 0.2215, 0.2375

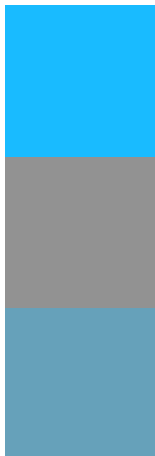
Deuteranomaly

41.6022, 0.2148, 0.2297

Tritanomaly

42.7559, 0.2115, 0.2797

Monochromacy



Original Color

42.9673, 0.2010, 0.2385

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.8597, 0.2460, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9673, 0.2010, 0.2385 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(25, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 187, 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(25, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.9673, 0.2010, 0.2385 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(25, 187, 255) }
```

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

```
.border{ border-color:rgb(25, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9673, 0.2010, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 187, 255) }
```

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

```
.background{ background-color: rgb(25, 187,  
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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