

Converting Colors

$Y_{xy}(42.4971, 0.2005, 0.2417)$

Have a look what the booklet for
Yxy(42.4971, 0.2005, 0.2417)
contains.

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Color

Yxy(42.5689, 0.2004, 0.2414)

Conversions

Conversions Part 1

Format	Color
Hex	00BBFC
RGB	0, 187, 252
RGB Percent	0%, 73%, 99%
CMY	0.9996, 0.2666, 0.0118
CMYK	1.00, 0.26, 0.00, 0.01
HSL	195°, 100%, 49%
HSV	195°, 100%, 99%
XYZ	35.3389, 42.5689, 98.4340
YIQ	138.4970, -132.3170, -19.4290

Conversions

Conversions Part 2

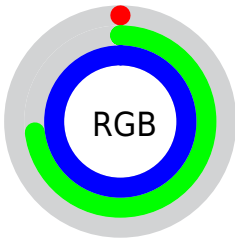
Format	Color
RYB	0, 107, 252
Decimal	48124
CIELab	71.26, -16.59, -42.94
CIELCh	71, 46.030, 248.872
Yxy	42.5689, 0.2004, 0.2414
Android (android.graphics.Color)	4278238204 (0xFF00BBFC)
YUV	138.4970, 55.9570, -121.4619
Hunter-Lab	65.2448, -17.4966, -43.7786

Details

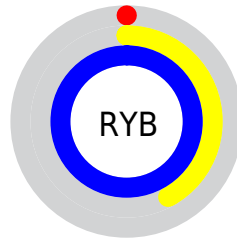
The Yxy color **42.5689, 0.2004, 0.2414** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **24.4822, 0.6089, 0.3547**, and the grayscale version is **25.4479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8319, 0.2393, 0.3147**, and **20.9903, 0.1953, 0.2231** is the 20% darker color. If you saturate the color by 10%, you get **42.5584, 0.2004, 0.2414**, and if you desaturate by 10%, it is **45.6012, 0.2045, 0.2510**.

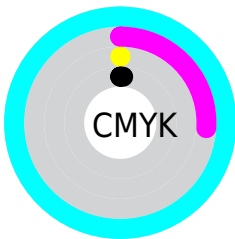
Distribution



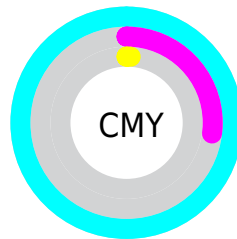
- Red (0%)
- Green (73%)
- Blue (99%)



- Red (0%)
- Yellow (42%)
- Blue (99%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5689, 0.2004, 0.2414 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 42.5689, 0.2004, 0.2414 by changing the saturation by 10% instead.

42.5689, 0.2004,
0.2414

42.5689, 0.2004,
0.2414

356.8359, 0.2539,
0.2853

29.5470, 0.1882,
0.2308

79.0599, 0.2190,
0.2572

19.4950, 0.1732,
0.2175

103.2978, 0.2263,
0.2631

12.0285, 0.1546,
0.2005

132.0432, 0.2325,
0.2682

6.7631, 0.1312,
0.1782

165.6804, 0.2379,
0.2726

3.3144, 0.1017,
0.1483

204.5939, 0.2427,
0.2764

1.2980, 0.0651,
0.1084

249.1681, 0.2468,

0.1396, 0.0000,

0.2797

0.0260

299.7872, 0.2506,
0.2827

■ 0.0000, 0.0000,
0.0000

■ 42.5689, 0.2004,
0.2414

■ 42.5689, 0.2004,
0.2414

■ 42.5584, 0.2004,
0.2414

■ 45.6012, 0.2045,
0.2510

■ 49.0290, 0.2104,
0.2607

■ 52.9378, 0.2183,
0.2705

■ 57.3794, 0.2281,
0.2802

■ 62.3977, 0.2397,
0.2896

■ 68.0310, 0.2528,
0.2987

■ 74.3138, 0.2670,
0.3072

■ 81.2779, 0.2819,
0.3151

■ 88.9524, 0.2973,
0.3224

Harmonies

Analogous

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



42.5689, 0.1984, 0.2818



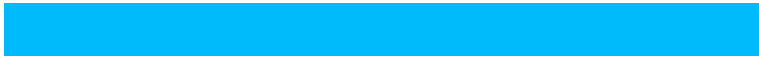
42.5689, 0.2004, 0.2414



42.5689, 0.2280, 0.2268

Triad

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



42.5689, 0.2004, 0.2414



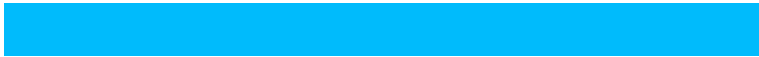
42.5689, 0.4081, 0.3048



42.5689, 0.3355, 0.4486

Complementary

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



42.5689, 0.2004, 0.2414



24.4822, 0.6089, 0.3547

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.



42.5689, 0.3959, 0.4410



42.5689, 0.2004, 0.2414



42.5689, 0.4424, 0.3542

Square

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



42.5689, 0.2004, 0.2414



42.5689, 0.3455, 0.2628



42.5689, 0.4364, 0.4033



42.5689, 0.2722, 0.4119

Rectangle

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



42.5689, 0.2004, 0.2414



42.5689, 0.2597, 0.2300



42.5689, 0.4364, 0.4033



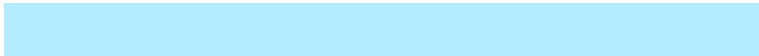
42.5689, 0.3568, 0.4507

Sweetspot

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



42.5703, 0.2004, 0.2414



76.3128, 0.2669, 0.3071



69.9701, 0.2926, 0.5735



15.7337, 0.2608, 0.3036



0.0000, 0.0000, 0.0000



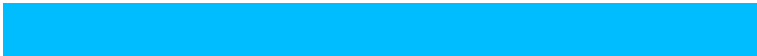
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5703, 0.2004, 0.2414



43.7087, 0.2004, 0.2413



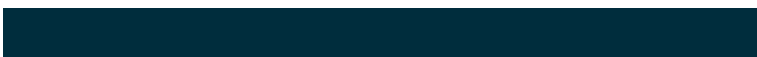
10.5909, 0.1573, 0.0861



18.8061, 0.2980, 0.3227



22.4233, 0.2008, 0.2430



2.2475, 0.2040, 0.2545

Inverse Universe

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



24.2824, 0.4009, 0.1982



24.9436, 0.4010, 0.1983



57.0929, 0.4728, 0.4627



17.4436, 0.3178, 0.3116



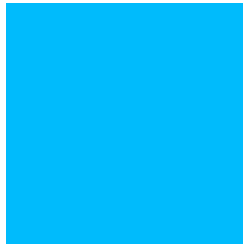
12.6745, 0.3993, 0.1973



1.1911, 0.3878, 0.1910

Previews

White Background



This preview shows how the Yxy color 42.5689, 0.2004, 0.2414 looks on a white background.

Color Contrast Check

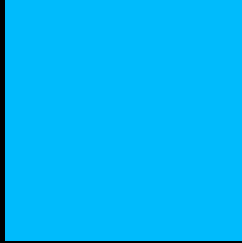
Large Text (above 18pt) WCAG AA × Fail

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 42.5689, 0.2004, 0.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

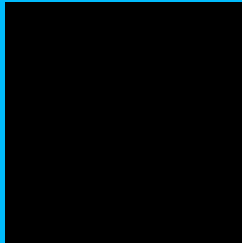
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5689, 0.2004, 0.2414

Background



This preview shows how black text looks on a background with the Yxy color 42.5689, 0.2004, 0.2414.

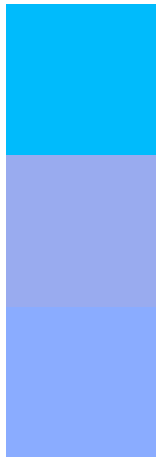


This preview shows how white text looks on a background with the Yxy color 42.5689, 0.2004, 0.2414.

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

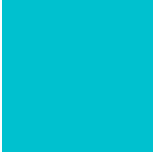
42.5689, 0.2004, 0.2414

Protanopia

42.1301, 0.2503, 0.2436

Deuteranopia

42.1283, 0.2329, 0.2267



Tritanopia

42.6449, 0.2188, 0.3076

Trichromacy



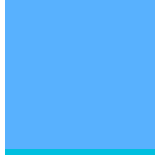
Original Color

42.5689, 0.2004, 0.2414



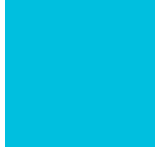
Protanomaly

40.5173, 0.2189, 0.2398



Deuteranomaly

40.6747, 0.2115, 0.2286



Tritanomaly

42.5893, 0.2117, 0.2823

Monochromacy



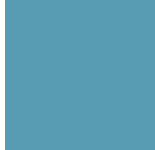
Original Color

42.5689, 0.2004, 0.2414



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.1469, 0.2395, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5689, 0.2004, 0.2414 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, 187, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 252)  
}
```

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, 187, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 252) }
```

Border

The CSS property to change the border of an element to Yxy 42.5689, 0.2004, 0.2414 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, 187, 252) }
```

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

```
.border{ border-color:rgb(0, 187, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5689, 0.2004, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 252) }
```

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

```
.background{ background-color: rgb(0, 187,  
252) }
```

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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