

Converting Colors

$Yxy(42.4182, 0.2040, 0.2384)$

Have a look what the booklet for
Yxy(42.4182, 0.2040, 0.2384)
contains.

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Color

Yxy(42.4182, 0.2040, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	30B9FD
RGB	48, 185, 253
RGB Percent	19%, 73%, 99%
CMY	0.8119, 0.2745, 0.0078
CMYK	0.81, 0.27, 0.00, 0.01
HSL	200°, 98%, 59%
HSV	200°, 81%, 99%
XYZ	36.2975, 42.4182, 99.2130
YIQ	151.7890, -103.4800, -7.8960

Conversions

Conversions Part 2

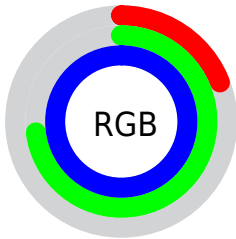
Format	Color
R _Y B	48, 130, 253
Decimal	3193341
CIE Lab	71.16, -12.93, -43.62
CIE LCh	71, 45.496, 253.495
Yxy	42.4182, 0.2040, 0.2384
Android (android.graphics.Color)	4281383421 (0xFF30B9FD)
YUV	151.7890, 49.8970, -91.0230
Hunter-Lab	65.1293, -14.4956, -44.7275

Details

The Yxy color **42.4182, 0.2040, 0.2384** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.5853, 0.5395, 0.3831**, and the grayscale version is **31.1161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5662, 0.2435, 0.3125**, and **20.4881, 0.1939, 0.2181** is the 20% darker color. If you saturate the color by 10%, you get **38.5618, 0.1973, 0.2257**, and if you desaturate by 10%, it is **46.8349, 0.2128, 0.2513**.

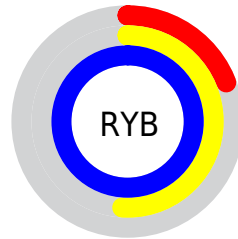
Distribution



Red (19%)

Green (73%)

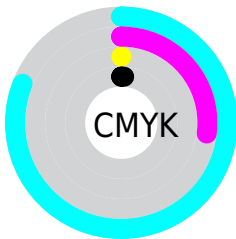
Blue (99%)



Red (19%)

Yellow (51%)

Blue (99%)

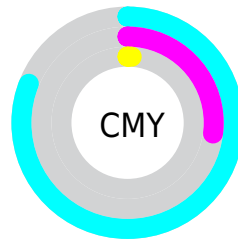


Cyan (81%)

Magenta (27%)

Yellow (0%)

Black (1%)



Cyan (81%)


Magenta (27%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4182, 0.2040, 0.2384 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 42.4182, 0.2040, 0.2384 by changing the saturation by 10% instead.


 42.4182, 0.2040,
0.2384

 42.4182, 0.2040,
0.2384


356.2136, 0.2559,
0.2834

 29.4289, 0.1921,
0.2276


 78.8322, 0.2221,
0.2545

 19.4055, 0.1775,
0.2141


 103.0256, 0.2292,
0.2606

 11.9637, 0.1592,
0.1969


 131.7226, 0.2352,
0.2659

 6.7189, 0.1362,
0.1745

 165.3074, 0.2405,
0.2704

 3.2870, 0.1069,
0.1447

204.1645, 0.2451,
0.2743

 1.2833, 0.0703,
0.1051

248.6783, 0.2491,

 0.1282, 0.0000,

0.2777

0.0235

299.2332, 0.2527,
0.2807

■ 0.0000, 0.0000,
0.0000

■ 42.4182, 0.2040,
0.2384

■ 42.4182, 0.2040,
0.2384

■ 38.5618, 0.1973,
0.2257

■ 46.8349, 0.2128,
0.2513

■ 35.5024, 0.1929,
0.2145

■ 51.8630, 0.2235,
0.2641

■ 57.5507, 0.2360,
0.2765

■ 63.9391, 0.2498,
0.2884

■ 71.0652, 0.2646,
0.2996

■ 78.9630, 0.2800,
0.3100

■ 87.6638, 0.2956,
0.3196

■ 97.1971, 0.3111,
0.3282

■ 99.8727, 0.3139,
0.3309

Harmonies

Analogous

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



42.4182, 0.1980, 0.2745



42.4182, 0.2040, 0.2384



42.4182, 0.2351, 0.2275

Triad

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



42.4182, 0.2040, 0.2384



42.4182, 0.4146, 0.3124



42.4182, 0.3254, 0.4445

Complementary

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



42.4182, 0.2040, 0.2384



33.5853, 0.5395, 0.3831

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.



42.4182, 0.3868, 0.4435



42.4182, 0.2040, 0.2384



42.4182, 0.4427, 0.3618

Square

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



42.4182, 0.2040, 0.2384



42.4182, 0.3556, 0.2691



42.4182, 0.4309, 0.4096



42.4182, 0.2638, 0.4020

Rectangle

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



42.4182, 0.2040, 0.2384



42.4182, 0.2688, 0.2329



42.4182, 0.4309, 0.4096



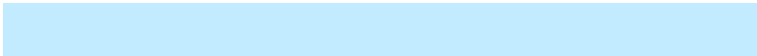
42.4182, 0.3468, 0.4490

Sweetspot

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



42.4196, 0.2040, 0.2384



77.9082, 0.2754, 0.3070



72.0766, 0.2832, 0.5192



16.0607, 0.2699, 0.3033



0.0000, 0.0000, 0.0000



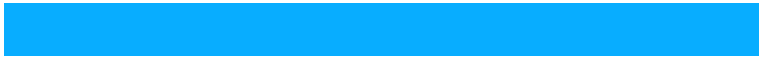
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4196, 0.2040, 0.2384



37.1396, 0.1943, 0.2181



14.3066, 0.1697, 0.1091



19.4065, 0.2980, 0.3209



19.1624, 0.1935, 0.2165



2.0665, 0.1975, 0.2308

Inverse Universe

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



26.4998, 0.4020, 0.2117



24.4415, 0.4250, 0.2126



69.9146, 0.4416, 0.4717



18.1919, 0.3189, 0.3132



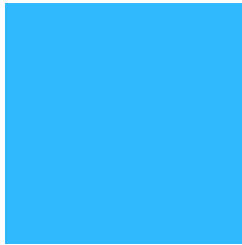
12.6624, 0.4270, 0.2126



1.2532, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 42.4182, 0.2040, 0.2384 looks on a white background.

Color Contrast Check

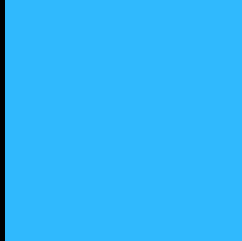
Large Text (above 18pt) WCAG AA × Fail

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 42.4182, 0.2040, 0.2384 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

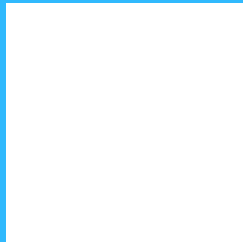
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4182, 0.2040, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 42.4182, 0.2040, 0.2384.

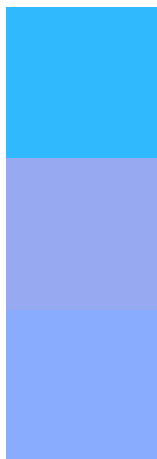


This preview shows how white text looks on a background with the Yxy color 42.4182, 0.2040, 0.2384.

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

42.4182, 0.2040, 0.2384

Protanopia

41.6796, 0.2476, 0.2400

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.4182, 0.2040, 0.2384

Protanomaly

40.8299, 0.2256, 0.2377

Deuteranomaly

41.6033, 0.2182, 0.2302

Tritanomaly

41.8962, 0.2116, 0.2780

Monochromacy



Original Color

42.4182, 0.2040, 0.2384

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.8024, 0.2527, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4182, 0.2040, 0.2384 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(48, 185, 253)` looks like.

```
.text, #text, p{  
    color:rgb(48, 185, 253)  
}
```

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(48, 185, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 185, 253) }
```

Border

The CSS property to change the border of an element to Yxy 42.4182, 0.2040, 0.2384 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(48, 185, 253) }
```

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

```
.border{ border-color:rgb(48, 185, 253) }
```

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

Here you see how a box with a 4 pixel rgb(48, 185, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 185, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 185, 253);  
box-shadow:4px 4px 4px 4px rgb(48, 185,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4182, 0.2040, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 185, 253) }
```

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

```
.background{ background-color: rgb(48, 185,  
253) }
```

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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