

Converting Colors

$Yxy(42.4102, 0.2024, 0.2361)$

Have a look what the booklet for
Yxy(42.4102, 0.2024, 0.2361)
contains.

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Color

Yxy(42.4102, 0.2024, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	2AB9FF
RGB	42, 185, 255
RGB Percent	16%, 73%, 100%
CMY	0.8345, 0.2745, 0.0001
CMYK	0.83, 0.27, 0.00, 0.00
HSL	200°, 100%, 58%
HSV	200°, 83%, 100%
XYZ	36.3567, 42.4102, 100.8612
YIQ	150.2230, -107.6980, -8.5460

Conversions

Conversions Part 2

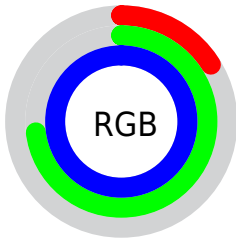
Format	Color
R _{YB}	42, 128, 255
Decimal	2800127
CIE Lab	71.15, -12.70, -44.70
CIE LCh	71, 46.469, 254.134
Yxy	42.4102, 0.2024, 0.2361
Android (android.graphics.Color)	4280990207 (0xFF2AB9FF)
YUV	150.2230, 51.6551, -94.9116
Hunter-Lab	65.1231, -14.3130, -46.2408

Details

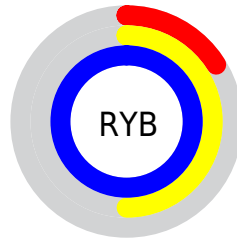
The Yxy color **42.4102, 0.2024, 0.2361** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.0546, 0.5481, 0.3816**, and the grayscale version is **30.4345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4157, 0.2428, 0.3125**, and **20.5797, 0.1932, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **38.6255, 0.1963, 0.2235**, and if you desaturate by 10%, it is **46.7463, 0.2106, 0.2489**.

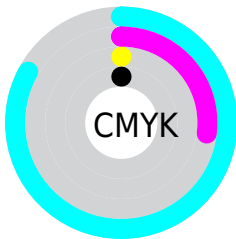
Distribution



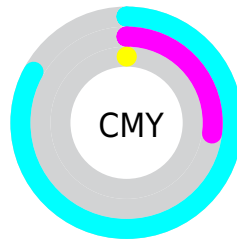
- Red (16%)
- Green (73%)
- Blue (100%)



- Red (16%)
- Yellow (50%)
- Blue (100%)



- Cyan (83%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4102, 0.2024, 0.2361 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 42.4102, 0.2024, 0.2361 by changing the saturation by 10% instead.

■ 42.4102, 0.2024,
0.2361

■ 42.4102, 0.2024,
0.2361

■ 356.1806, 0.2550,
0.2822

■ 29.4226, 0.1904,
0.2251

■ 78.8201, 0.2208,
0.2525

■ 19.4008, 0.1756,
0.2114

■ 103.0112, 0.2279,
0.2588

■ 11.9602, 0.1573,
0.1940

■ 131.7055, 0.2340,
0.2641

■ 6.7166, 0.1342,
0.1713

■ 165.2876, 0.2393,
0.2688

■ 3.2855, 0.1049,
0.1414

■ 204.1417, 0.2440,
0.2728

■ 1.2825, 0.0687,
0.1020

248.6523, 0.2481,

■ 0.1276, 0.0000,

0.2763

0.0224

299.2038, 0.2518,
0.2794

■ 0.0000, 0.0000,
0.0000

■ 42.4102, 0.2024,
0.2361

■ 42.4102, 0.2024,
0.2361

■ 38.6255, 0.1963,
0.2235

■ 46.7463, 0.2106,
0.2489

■ 36.3885, 0.1932,
0.2154

■ 51.6891, 0.2209,
0.2616

■ 57.2894, 0.2329,
0.2740

■ 63.5901, 0.2464,
0.2860

■ 70.6298, 0.2610,
0.2973

■ 78.4437, 0.2762,
0.3078

■ 87.0642, 0.2918,
0.3174

■ 96.5218, 0.3074,
0.3262

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



42.4102, 0.1957, 0.2722



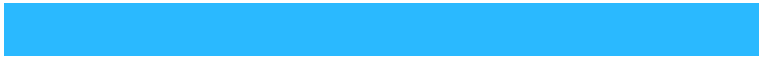
42.4102, 0.2024, 0.2361



42.4102, 0.2345, 0.2257

Triad

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



42.4102, 0.2024, 0.2361



42.4102, 0.4178, 0.3129



42.4102, 0.3241, 0.4468

Complementary

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



42.4102, 0.2024, 0.2361



33.0546, 0.5481, 0.3816

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.



42.4102, 0.3869, 0.4463



42.4102, 0.2024, 0.2361



42.4102, 0.4456, 0.3633

Square

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



42.4102, 0.2024, 0.2361



42.4102, 0.3579, 0.2688



42.4102, 0.4326, 0.4119



42.4102, 0.2615, 0.4024

Rectangle

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



42.4102, 0.2024, 0.2361



42.4102, 0.2691, 0.2315



42.4102, 0.4326, 0.4119



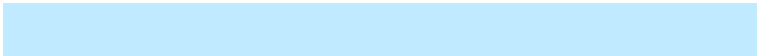
42.4102, 0.3459, 0.4516

Sweetspot

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



42.4116, 0.2024, 0.2361



77.1927, 0.2738, 0.3062



73.1215, 0.2836, 0.5249



15.9247, 0.2684, 0.3026



0.0000, 0.0000, 0.0000



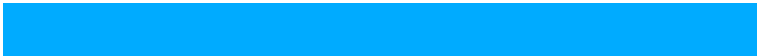
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4116, 0.2024, 0.2361



36.3943, 0.1932, 0.2154



13.6315, 0.1668, 0.1035



19.4154, 0.2980, 0.3210



19.3014, 0.1938, 0.2175



2.0793, 0.1977, 0.2317

Inverse Universe

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



26.4293, 0.4047, 0.2105



24.2052, 0.4282, 0.2132



70.5224, 0.4441, 0.4731



18.1928, 0.3189, 0.3132



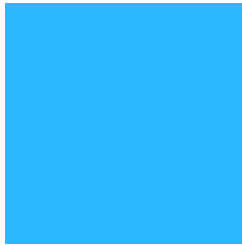
12.6765, 0.4260, 0.2120



1.2544, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 42.4102, 0.2024, 0.2361 looks on a white background.

Color Contrast Check

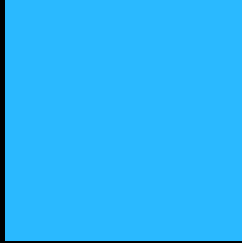
Large Text (above 18pt) WCAG AA × Fail

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 42.4102, 0.2024, 0.2361 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

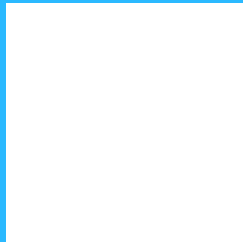
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4102, 0.2024, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 42.4102, 0.2024, 0.2361.



This preview shows how white text looks on a background with the Yxy color 42.4102, 0.2024, 0.2361.

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

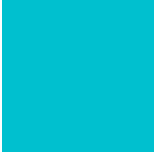
42.4102, 0.2024, 0.2361

Protanopia

41.7045, 0.2459, 0.2378

Deuteranopia

41.9593, 0.2317, 0.2264



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.4102, 0.2024, 0.2361



Protanomaly

40.7549, 0.2232, 0.2352



Deuteranomaly

41.4891, 0.2165, 0.2289



Tritanomaly

41.8786, 0.2114, 0.2780

Monochromacy



Original Color

42.4102, 0.2024, 0.2361



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.2047, 0.2511, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4102, 0.2024, 0.2361 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(42, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 185, 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(42, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4102, 0.2024, 0.2361 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(42, 185, 255) }
```

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

```
.border{ border-color:rgb(42, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4102, 0.2024, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 185, 255) }
```

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

```
.background{ background-color: rgb(42, 185,  
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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