

Converting Colors

$Yxy(40.7494, 0.2021, 0.2347)$

Have a look what the booklet for
Yxy(40.7494, 0.2021, 0.2347)
contains.

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Color

Yxy(40.9764, 0.2022, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	2AB6FC
RGB	42, 182, 252
RGB Percent	16%, 71%, 99%
CMY	0.8345, 0.2863, 0.0118
CMYK	0.83, 0.28, 0.00, 0.01
HSL	200°, 97%, 58%
HSV	200°, 83%, 99%
XYZ	35.2571, 40.9764, 98.1341
YIQ	148.1200, -105.9100, -7.9100

Conversions

Conversions Part 2

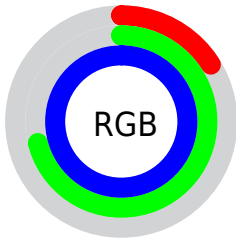
Format	Color
R _{YB}	42, 126, 252
Decimal	2799356
CIE Lab	70.16, -12.12, -44.64
CIE LCh	70, 46.255, 254.811
Yxy	40.9764, 0.2022, 0.2350
Android (android.graphics.Color)	4280989436 (0xFF2AB6FC)
YUV	148.1200, 51.2128, -93.0672
Hunter-Lab	64.0128, -13.7077, -46.0849

Details

The Yxy color **40.9764, 0.2022, 0.2350** 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 **32.4932, 0.5462, 0.3827**, and the grayscale version is **29.5073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5800, 0.2417, 0.3089**, and **19.6406, 0.1928, 0.2139** is the 20% darker color. If you saturate the color by 10%, you get **37.2596, 0.1960, 0.2222**, and if you desaturate by 10%, it is **45.2364, 0.2105, 0.2480**.

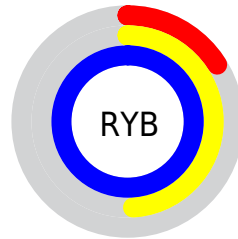
Distribution



Red (16%)

Green (71%)

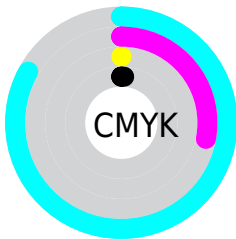
Blue (99%)



Red (16%)

Yellow (49%)

Blue (99%)

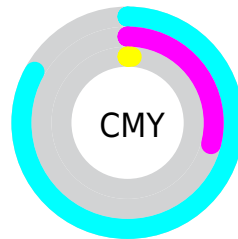


Cyan (83%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (83%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9764, 0.2022, 0.2350 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 40.9764, 0.2022, 0.2350 by changing the saturation by 10% instead.

40.9764, 0.2022,
0.2350

40.9764, 0.2022,
0.2350

350.2220, 0.2552,
0.2818

28.3006, 0.1900,
0.2238

76.6481, 0.2208,
0.2517

18.5524, 0.1750,
0.2098

100.4128, 0.2279,
0.2581

11.3473, 0.1564,
0.1919

128.6426, 0.2341,
0.2635

6.3010, 0.1328,
0.1687

161.7219, 0.2395,
0.2682

3.0289, 0.1029,
0.1380

200.0351, 0.2441,
0.2723

1.1469, 0.0658,
0.0975

243.9666, 0.2483,

0.0176, 0.0000,

0.2758

0.0034

293.9007, 0.2519,
0.2790

■ 0.0000, 0.0000,
0.0000

■ 40.9764, 0.2022,
0.2350

■ 40.9764, 0.2022,
0.2350

■ 37.2596, 0.1960,
0.2222

■ 45.2364, 0.2105,
0.2480

■ 35.0008, 0.1927,
0.2138

■ 50.0930, 0.2209,
0.2609

■ 55.5957, 0.2331,
0.2735

■ 61.7862, 0.2466,
0.2856

■ 68.7020, 0.2612,
0.2970

■ 76.3774, 0.2765,
0.3077

■ 84.8440, 0.2921,
0.3175

■ 94.1314, 0.3077,
0.3263

■ 99.8074, 0.3145,
0.3319

Harmonies

Analogous

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



40.9764, 0.1949, 0.2707



40.9764, 0.2022, 0.2350



40.9764, 0.2351, 0.2251

Triad

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



40.9764, 0.2022, 0.2350



40.9764, 0.4196, 0.3139



40.9764, 0.3226, 0.4471

Complementary

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



40.9764, 0.2022, 0.2350



32.4932, 0.5462, 0.3827

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.



40.9764, 0.3860, 0.4476



40.9764, 0.2022, 0.2350



40.9764, 0.4467, 0.3645

Square

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



40.9764, 0.2022, 0.2350



40.9764, 0.3598, 0.2693



40.9764, 0.4326, 0.4133



40.9764, 0.2599, 0.4015

Rectangle

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



40.9764, 0.2022, 0.2350



40.9764, 0.2701, 0.2313



40.9764, 0.4326, 0.4133



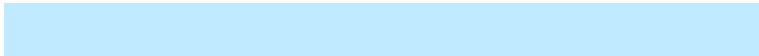
40.9764, 0.3446, 0.4523

Sweetspot

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



40.9778, 0.2022, 0.2350



77.0211, 0.2738, 0.3059



71.2815, 0.2823, 0.5200



15.8835, 0.2684, 0.3022



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.



40.9778, 0.2022, 0.2350



35.9402, 0.1927, 0.2137



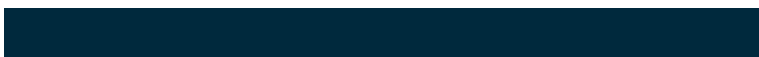
12.8553, 0.1663, 0.1008



18.5757, 0.2980, 0.3209



18.5170, 0.1933, 0.2159



1.9099, 0.1975, 0.2310

Inverse Universe

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



25.7405, 0.4058, 0.2114



24.1593, 0.4301, 0.2143



70.4989, 0.4410, 0.4755



17.4203, 0.3189, 0.3133



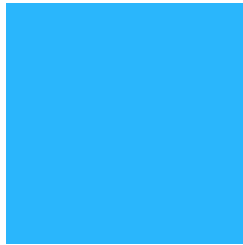
12.2802, 0.4277, 0.2130



1.1570, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 40.9764, 0.2022, 0.2350 looks on a white background.

Color Contrast Check

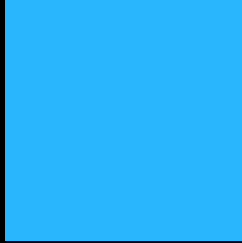
Large Text (above 18pt) WCAG AA × Fail

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 40.9764, 0.2022, 0.2350 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

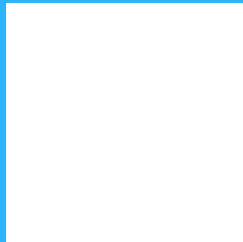
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9764, 0.2022, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 40.9764, 0.2022, 0.2350.



This preview shows how white text looks on a background with the Yxy color 40.9764, 0.2022, 0.2350.

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

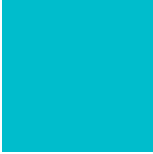
40.9764, 0.2022, 0.2350

Protanopia

40.5924, 0.2459, 0.2379

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.9764, 0.2022, 0.2350

Protanomaly

39.7338, 0.2235, 0.2355

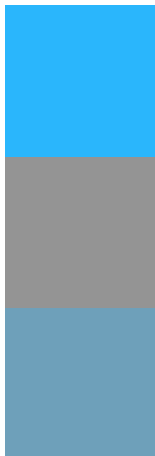
Deuteranomaly

40.0805, 0.2148, 0.2255

Tritanomaly

40.4398, 0.2112, 0.2773

Monochromacy



Original Color

40.9764, 0.2022, 0.2350

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

32.0018, 0.2510, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9764, 0.2022, 0.2350 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, 182, 252)` looks like.

```
.text, #text, p{  
    color:rgb(42, 182, 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(42, 182, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 182, 252) }
```

Border

The CSS property to change the border of an element to Yxy 40.9764, 0.2022, 0.2350 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, 182, 252) }
```

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

```
.border{ border-color:rgb(42, 182, 252) }
```

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

Here you see how a box with a 4 pixel rgb(42, 182, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 182, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 182, 252);  
box-shadow:4px 4px 4px 4px rgb(42, 182,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9764, 0.2022, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 182, 252) }
```

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

```
.background{ background-color: rgb(42, 182,  
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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