

Converting Colors

$Y_{xy}(42.0013, 0.2317, 0.2246)$

Have a look what the booklet for
Yxy(42.0013, 0.2317, 0.2246)
contains.

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Color

Yxy(42.0434, 0.2323, 0.2265)

Conversions

Conversions Part 1

Format	Color
Hex	89ACFF
RGB	137, 172, 255
RGB Percent	54%, 67%, 100%
CMY	0.4627, 0.3255, 0.0000
CMYK	0.46, 0.33, 0.00, 0.00
HSL	222°, 100%, 77%
HSV	222°, 46%, 100%
XYZ	43.1200, 42.0434, 100.4587
YIQ	170.9970, -47.5030, 18.3930

Conversions

Conversions Part 2

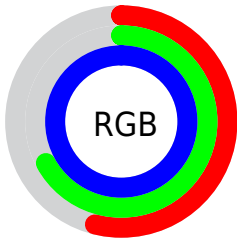
Format	Color
RYB	137, 164, 255
Decimal	9022719
CIELab	70.90, 9.62, -44.87
CIELCh	71, 45.894, 282.101
Yxy	42.0434, 0.2323, 0.2265
Android (android.graphics.Color)	4287212799 (0xFF89ACFF)
YUV	170.9970, 41.4135, -29.8154
Hunter-Lab	64.8409, 5.2332, -46.4700

Details

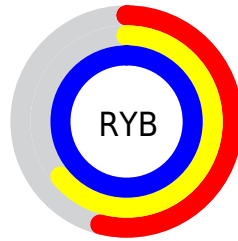
The Yxy color **42.0434, 0.2323, 0.2265** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.2532, 0.3967, 0.4129**, and the grayscale version is **40.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7603, 0.2754, 0.2986**, and **19.1724, 0.2111, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **33.7649, 0.2141, 0.1995**, and if you desaturate by 10%, it is **51.7542, 0.2509, 0.2523**.

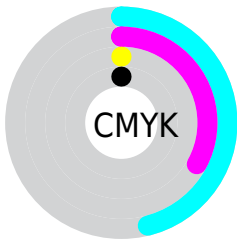
Distribution



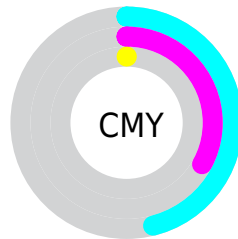
- Red (54%)
- Green (67%)
- Blue (100%)



- Red (54%)
- Yellow (64%)
- Blue (100%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0434, 0.2323, 0.2265 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 42.0434, 0.2323, 0.2265 by changing the saturation by 10% instead.


 42.0434, 0.2323,
0.2265


 42.0434, 0.2323,
0.2265


354.6628, 0.2718,
0.2754

 29.1353, 0.2229,
0.2152


 78.2653, 0.2464,
0.2436

 19.1832, 0.2112,
0.2013


 102.3479, 0.2517,
0.2503

 11.8027, 0.1962,
0.1839


130.9241, 0.2563,
0.2559

 6.6095, 0.1766,
0.1616

164.3782, 0.2603,
0.2609

 3.2191, 0.1505,
0.1327

203.0948, 0.2637,
0.2652

 1.2472, 0.1150,
0.0952

247.4582, 0.2668,

 0.0997, 0.0554,

0.2690

0.0168

297.8527, 0.2694,
0.2724

■ 0.0000, 0.0000,
0.0000

■ 42.0434, 0.2323,
0.2265

■ 42.0434, 0.2323,
0.2265

■ 33.7649, 0.2141,
0.1995

■ 51.7542, 0.2509,
0.2523

■ 26.8431, 0.1972,
0.1724

■ 62.9623, 0.2692,
0.2764

■ 21.1985, 0.1824,
0.1462

■ 75.7314, 0.2867,
0.2983

■ 16.7408, 0.1707,
0.1225

■ 90.1208, 0.3031,
0.3179

■ 13.3641, 0.1624,
0.1023

100.0000, 0.3127,
0.3290

■ 12.3387, 0.1599,
0.0958

Harmonies

Analogous

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



42.0434, 0.2020, 0.2385



42.0434, 0.2323, 0.2265



42.0434, 0.2856, 0.2371

Triad

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



42.0434, 0.2323, 0.2265



42.0434, 0.4438, 0.3597



42.0434, 0.2659, 0.4057

Complementary

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



42.0434, 0.2323, 0.2265



74.2532, 0.3967, 0.4129

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.



42.0434, 0.3285, 0.4470



42.0434, 0.2323, 0.2265



42.0434, 0.4336, 0.4083

Square

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



42.0434, 0.2323, 0.2265



42.0434, 0.4136, 0.3099



42.0434, 0.3901, 0.4438



42.0434, 0.2189, 0.3378

Rectangle

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



42.0434, 0.2323, 0.2265



42.0434, 0.3300, 0.2550



42.0434, 0.3901, 0.4438



42.0434, 0.2857, 0.4240

Sweetspot

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



42.0442, 0.2323, 0.2265



78.8584, 0.2905, 0.3029



81.9848, 0.2666, 0.3708



16.2433, 0.2868, 0.2985



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.



42.0442, 0.2323, 0.2265



33.9729, 0.2146, 0.2003



32.6479, 0.2406, 0.1887



18.2558, 0.2979, 0.3118



6.6719, 0.1607, 0.0985



0.8300, 0.1668, 0.1204

Inverse Universe

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



42.1307, 0.4005, 0.2928



35.2442, 0.4303, 0.2865



90.3819, 0.3650, 0.4497



18.0757, 0.3247, 0.3220



11.4015, 0.5781, 0.2958



1.1283, 0.5460, 0.2782

Previews

White Background



This preview shows how the Yxy color 42.0434, 0.2323, 0.2265 looks on a white background.

Color Contrast Check

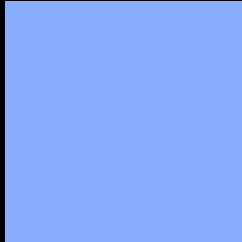
Large Text (above 18pt) WCAG AA × Fail

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 42.0434, 0.2323, 0.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

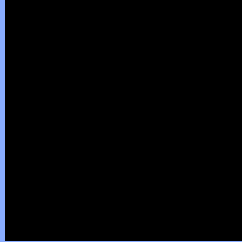
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

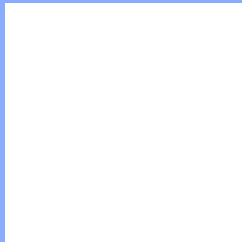
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0434, 0.2323, 0.2265

Background



This preview shows how black text looks on a background with the Yxy color 42.0434, 0.2323, 0.2265.



This preview shows how white text looks on a background with the Yxy color 42.0434, 0.2323, 0.2265.

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

42.0434, 0.2323, 0.2265

Protanopia

41.8610, 0.2375, 0.2271

Deuteranopia

42.1283, 0.2329, 0.2267



Tritanopia

41.9373, 0.2555, 0.3072

Trichromacy



Original Color

42.0434, 0.2323, 0.2265

Protanomaly

42.0324, 0.2354, 0.2269

Deuteranomaly

42.1283, 0.2329, 0.2267

Tritanomaly

41.7903, 0.2461, 0.2742

Monochromacy



Original Color

42.0434, 0.2323, 0.2265

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7610, 0.2784, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0434, 0.2323, 0.2265 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(137, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 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(137, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0434, 0.2323, 0.2265 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(137, 172, 255) }
```

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

```
.border{ border-color:rgb(137, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0434, 0.2323, 0.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 255) }
```

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

```
.background{ background-color: rgb(137,  
172, 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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