

Converting Colors

$Y_{xy}(42.1875, 0.2328, 0.2285)$

Have a look what the booklet for
Yxy(42.1875, 0.2328, 0.2285)
contains.

Yxy(42.3613, 0.2330, 0.2288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3613, 0.2330, 0.2288)

Conversions

Conversions Part 1

Format	Color
Hex	89ADFE
RGB	137, 173, 254
RGB Percent	54%, 68%, 100%
CMY	0.4630, 0.3215, 0.0040
CMYK	0.46, 0.32, 0.00, 0.00
HSL	222°, 98%, 77%
HSV	222°, 46%, 100%
XYZ	43.1389, 42.3613, 99.6453
YIQ	171.4700, -47.4570, 17.5590

Conversions

Conversions Part 2

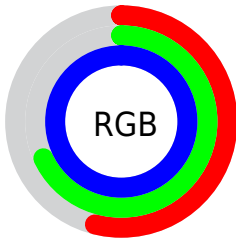
Format	Color
R _Y B	137, 165, 254
Decimal	9022974
CIE Lab	71.12, 8.74, -43.97
CIE LCh	71, 44.830, 281.237
Yxy	42.3613, 0.2330, 0.2288
Android (android.graphics.Color)	4287213054 (0xFF89ADFE)
YUV	171.4700, 40.6873, -30.2302
Hunter-Lab	65.0856, 4.4106, -45.2125

Details

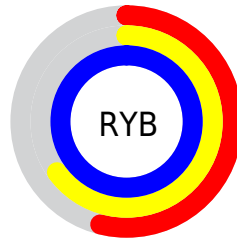
The Yxy color **42.3613, 0.2330, 0.2288** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.9616, 0.3970, 0.4113**, and the grayscale version is **40.7786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3089, 0.2754, 0.2997**, and **19.3682, 0.2120, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **34.1626, 0.2150, 0.2023**, and if you desaturate by 10%, it is **51.9541, 0.2514, 0.2542**.

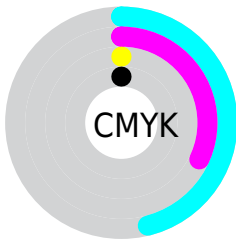
Distribution



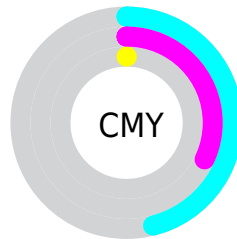
- Red (54%)
- Green (68%)
- Blue (100%)



- Red (54%)
- Yellow (65%)
- Blue (100%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3613, 0.2330, 0.2288 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 42.3613, 0.2330, 0.2288 by changing the saturation by 10% instead.

■ 42.3613, 0.2330,
0.2288

■ 42.3613, 0.2330,
0.2288

355.9785, 0.2722,
0.2767

■ 29.3843, 0.2237,
0.2177

■ 78.7461, 0.2469,
0.2456

■ 19.3717, 0.2121,
0.2041

■ 102.9228, 0.2523,
0.2521

■ 11.9392, 0.1972,
0.1869

131.6014, 0.2568,
0.2577

■ 6.7023, 0.1778,
0.1649

165.1665, 0.2607,
0.2625

■ 3.2766, 0.1518,
0.1362

204.0023, 0.2641,
0.2667

■ 1.2778, 0.1164,
0.0987

248.4933, 0.2671,

■ 0.1239, 0.0565,

0.2705

0.0212

299.0239, 0.2698,
0.2738

0.0000, 0.0000,
0.0000

42.3613, 0.2330,
0.2288

42.3613, 0.2330,
0.2288

34.1626, 0.2150,
0.2023

51.9541, 0.2514,
0.2542

27.2831, 0.1982,
0.1755

63.0013, 0.2696,
0.2777

21.6470, 0.1835,
0.1496

75.5650, 0.2870,
0.2992

17.1676, 0.1717,
0.1259

89.7021, 0.3034,
0.3184

13.7432, 0.1633,
0.1055

99.9340, 0.3133,
0.3300

■ 12.6435, 0.1607,
0.0985

Harmonies

Analogous

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



42.3613, 0.2040, 0.2414



42.3613, 0.2330, 0.2288



42.3613, 0.2846, 0.2386

Triad

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



42.3613, 0.2330, 0.2288



42.3613, 0.4402, 0.3579



42.3613, 0.2688, 0.4053

Complementary

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



42.3613, 0.2330, 0.2288



72.9616, 0.3970, 0.4113

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.



42.3613, 0.3302, 0.4442



42.3613, 0.2330, 0.2288



42.3613, 0.4315, 0.4055

Square

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



42.3613, 0.2330, 0.2288



42.3613, 0.4096, 0.3092



42.3613, 0.3900, 0.4404



42.3613, 0.2222, 0.3396

Rectangle

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



42.3613, 0.2330, 0.2288



42.3613, 0.3277, 0.2558



42.3613, 0.3900, 0.4404



42.3613, 0.2883, 0.4226

Sweetspot

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



42.3628, 0.2330, 0.2288



79.0898, 0.2905, 0.3034



81.1858, 0.2677, 0.3730



16.2992, 0.2869, 0.2990



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.



42.3628, 0.2330, 0.2288



35.2953, 0.2168, 0.2051



32.3404, 0.2395, 0.1889



18.2909, 0.2979, 0.3121



6.8956, 0.1615, 0.1013



0.8554, 0.1676, 0.1233

Inverse Universe

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



41.9601, 0.3984, 0.2915



35.9325, 0.4250, 0.2854



89.9138, 0.3662, 0.4486



18.0793, 0.3246, 0.3217



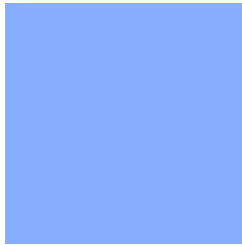
11.4241, 0.5739, 0.2935



1.1309, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 42.3613, 0.2330, 0.2288 looks on a white background.

Color Contrast Check

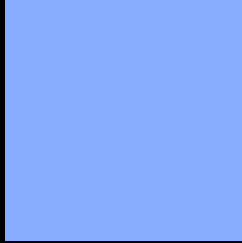
Large Text (above 18pt) WCAG AA × Fail

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 42.3613, 0.2330, 0.2288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

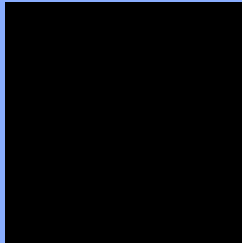
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

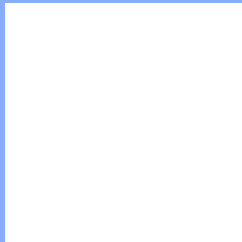
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3613, 0.2330, 0.2288

Background



This preview shows how black text looks on a background with the Yxy color 42.3613, 0.2330, 0.2288.



This preview shows how white text looks on a background with the Yxy color 42.3613, 0.2330, 0.2288.

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

42.3613, 0.2330, 0.2288

Protanopia

42.3571, 0.2394, 0.2296

Deuteranopia

42.2363, 0.2345, 0.2279



Tritanopia

42.4694, 0.2557, 0.3074

Trichromacy



Original Color

42.3613, 0.2330, 0.2288

Protanomaly

42.4365, 0.2367, 0.2293

Deuteranomaly

42.1498, 0.2339, 0.2278

Tritanomaly

42.2690, 0.2469, 0.2757

Monochromacy



Original Color

42.3613, 0.2330, 0.2288

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.0930, 0.2792, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3613, 0.2330, 0.2288 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, 173, 254)` looks like.

```
.text, #text, p{  
    color:rgb(137, 173, 254)  
}
```

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, 173, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 173, 254) }
```

Border

The CSS property to change the border of an element to Yxy 42.3613, 0.2330, 0.2288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

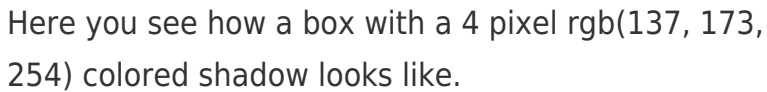
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 173, 254) }
```

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

```
.border{ border-color:rgb(137, 173, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 173, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 173, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 173, 254);  
box-shadow:4px 4px 4px 4px rgb(137, 173,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3613, 0.2330, 0.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 173, 254) }
```

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

```
.background{ background-color: rgb(137,  
173, 254) }
```

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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