

Converting Colors

$Yxy(42.5471, 0.2273, 0.2297)$

Have a look what the booklet for
Yxy(42.5471, 0.2273, 0.2297)
contains.

Yxy(42.7063, 0.2274, 0.2302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7063, 0.2274, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	7EB0FF
RGB	126, 176, 255
RGB Percent	49%, 69%, 100%
CMY	0.5056, 0.3098, 0.0000
CMYK	0.51, 0.31, 0.00, 0.00
HSL	217°, 100%, 75%
HSV	217°, 51%, 100%
XYZ	42.1868, 42.7063, 100.6251
YIQ	170.0560, -55.1590, 13.9690

Conversions

Conversions Part 2

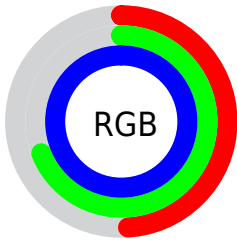
Format	Color
RYB	126, 162, 255
Decimal	8302847
CIELab	71.36, 4.87, -44.20
CIElCh	71, 44.466, 276.289
Yxy	42.7063, 0.2274, 0.2302
Android (android.graphics.Color)	4286492927 (0xFF7EB0FF)
YUV	170.0560, 41.8774, -38.6371
Hunter-Lab	65.3501, 0.8684, -45.5489

Details

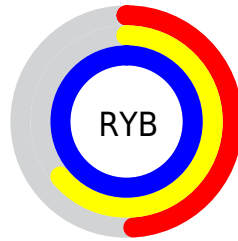
The Yxy color **42.7063, 0.2274, 0.2302** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.4713, 0.4117, 0.4093**, and the grayscale version is **40.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6861, 0.2700, 0.3026**, and **19.6163, 0.2053, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **35.2295, 0.2109, 0.2063**, and if you desaturate by 10%, it is **51.3856, 0.2448, 0.2532**.

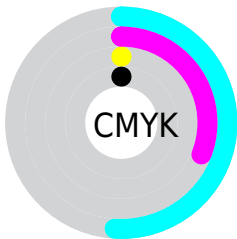
Distribution



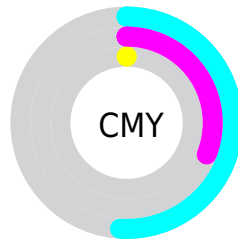
- Red (49%)
- Green (69%)
- Blue (100%)



- Red (49%)
- Yellow (64%)
- Blue (100%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7063, 0.2274, 0.2302 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 42.7063, 0.2274, 0.2302 by changing the saturation by 10% instead.

■ 42.7063, 0.2274,
0.2302

■ 42.7063, 0.2274,
0.2302

■ 357.4025, 0.2690,
0.2777

■ 29.6547, 0.2176,
0.2192

■ 79.2675, 0.2421,
0.2469

■ 19.5767, 0.2054,
0.2056

■ 103.5459, 0.2478,
0.2533

■ 12.0877, 0.1899,
0.1885

■ 132.3353, 0.2526,
0.2588

■ 6.8034, 0.1698,
0.1665

■ 166.0203, 0.2568,
0.2636

■ 3.3395, 0.1432,
0.1377

■ 204.9851, 0.2604,
0.2678

■ 1.3114, 0.1075,
0.1001

■ 249.6141, 0.2636,

■ 0.1500, 0.0439,

0.2715

0.0252

300.2918, 0.2665,
0.2748

0.0000, 0.0000,
0.0000

42.7063, 0.2274,
0.2302

42.7063, 0.2274,
0.2302

35.2295, 0.2109,
0.2063

51.3856, 0.2448,
0.2532

28.8887, 0.1959,
0.1823

61.3199, 0.2624,
0.2747

23.6161, 0.1832,
0.1590

72.5636, 0.2796,
0.2944

19.3327, 0.1732,
0.1373

85.1661, 0.2962,
0.3123

16.0915, 0.1664,
0.1191

99.1744, 0.3119,
0.3282

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



42.7063, 0.2026, 0.2467



42.7063, 0.2274, 0.2302



42.7063, 0.2752, 0.2364

Triad

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



42.7063, 0.2274, 0.2302



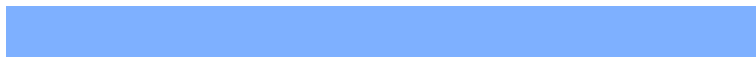
42.7063, 0.4365, 0.3496



42.7063, 0.2787, 0.4133

Complementary

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



42.7063, 0.2274, 0.2302



66.4713, 0.4117, 0.4093

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.



42.7063, 0.3404, 0.4451



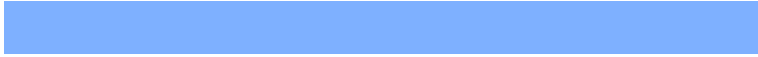
42.7063, 0.2274, 0.2302



42.7063, 0.4343, 0.3975

Square

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



42.7063, 0.2274, 0.2302



42.7063, 0.4003, 0.3019



42.7063, 0.3977, 0.4351



42.7063, 0.2292, 0.3507

Rectangle

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



42.7063, 0.2274, 0.2302



42.7063, 0.3167, 0.2515



42.7063, 0.3977, 0.4351



42.7063, 0.2987, 0.4285

Sweetspot

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



42.7078, 0.2274, 0.2302



79.3986, 0.2889, 0.3046



80.2926, 0.2695, 0.3919



16.4291, 0.2854, 0.3008



0.0000, 0.0000, 0.0000



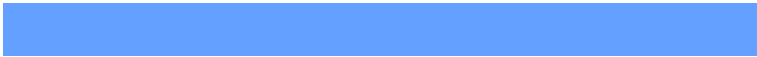
21.4041, 0.3127, 0.3290

Same Dimension

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



42.7078, 0.2274, 0.2302



34.9263, 0.2102, 0.2053



27.6473, 0.2234, 0.1708



18.5309, 0.2979, 0.3140



8.6761, 0.1673, 0.1221



1.0490, 0.1735, 0.1445

Inverse Universe

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



39.3350, 0.3994, 0.2779



32.7958, 0.4283, 0.2698



91.9232, 0.3779, 0.4560



18.1035, 0.3233, 0.3198



11.6038, 0.5436, 0.2768



1.1504, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 42.7063, 0.2274, 0.2302 looks on a white background.

Color Contrast Check

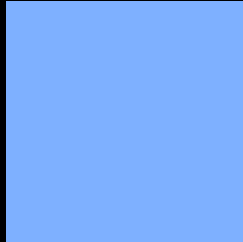
Large Text (above 18pt) WCAG AA × Fail

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 42.7063, 0.2274, 0.2302 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

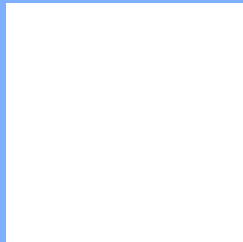
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7063, 0.2274, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 42.7063, 0.2274, 0.2302.



This preview shows how white text looks on a background with the Yxy color 42.7063, 0.2274, 0.2302.

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

42.7063, 0.2274, 0.2302

Protanopia

42.3868, 0.2406, 0.2307

Deuteranopia

42.6826, 0.2342, 0.2282



Tritanopia

42.5861, 0.2481, 0.3071

Trichromacy



Original Color

42.7063, 0.2274, 0.2302

Protanomaly

42.4909, 0.2357, 0.2311

Deuteranomaly

42.6430, 0.2317, 0.2288

Tritanomaly

42.3212, 0.2396, 0.2752

Monochromacy



Original Color

42.7063, 0.2274, 0.2302

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5921, 0.2753, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7063, 0.2274, 0.2302 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(126, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 176, 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(126, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.7063, 0.2274, 0.2302 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(126, 176, 255) }
```

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

```
.border{ border-color:rgb(126, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7063, 0.2274, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 176, 255) }
```

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

```
.background{ background-color: rgb(126,  
176, 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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