

Converting Colors

$Y_{xy}(42.6530, 0.2227, 0.2554)$

Have a look what the booklet for
Yxy(42.6530, 0.2227, 0.2554)
contains.

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Color

Yxy(42.4729, 0.2225, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	5FB7EE
RGB	95, 183, 238
RGB Percent	37%, 72%, 93%
CMY	0.6272, 0.2824, 0.0667
CMYK	0.60, 0.23, 0.00, 0.07
HSL	203°, 81%, 65%
HSV	203°, 60%, 93%
XYZ	37.0888, 42.4729, 87.1295
YIQ	162.9580, -70.1030, -1.5510

Conversions

Conversions Part 2

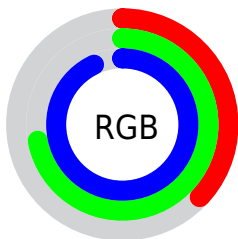
Format	Color
R _Y B	95, 149, 238
Decimal	6273006
CIE Lab	71.20, -10.47, -35.34
CIE LCh	71, 36.860, 253.499
Yxy	42.4729, 0.2225, 0.2548
Android (android.graphics.Color)	4284463086 (0xFF5FB7EE)
YUV	162.9580, 36.9957, -59.5992
Hunter-Lab	65.1712, -12.4658, -33.6468

Details

The Yxy color **42.4729, 0.2225, 0.2548** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.8350, 0.4583, 0.3880**, and the grayscale version is **36.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0209, 0.2560, 0.3108**, and **19.4007, 0.1991, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **37.7321, 0.2108, 0.2399**, and if you desaturate by 10%, it is **47.8518, 0.2359, 0.2693**.

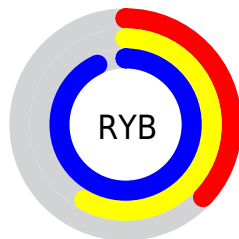
Distribution



Red (37%)

Green (72%)

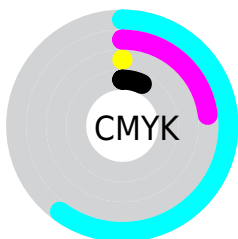
Blue (93%)



Red (37%)

Yellow (58%)

Blue (93%)

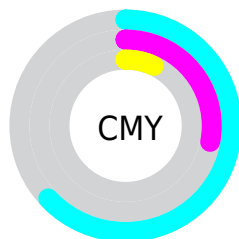


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (28%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4729, 0.2225, 0.2548 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 42.4729, 0.2225, 0.2548 by changing the saturation by 10% instead.

42.4729, 0.2225,
0.2548

42.4729, 0.2225,
0.2548

356.4396, 0.2663,
0.2921

29.4718, 0.2121,
0.2457

78.9148, 0.2380,
0.2683

19.4380, 0.1993,
0.2341

103.1244, 0.2440,
0.2733

11.9872, 0.1828,
0.2191

131.8390, 0.2491,
0.2776

6.7350, 0.1615,
0.1990

165.4428, 0.2535,
0.2813

3.2969, 0.1329,
0.1712

204.3204, 0.2573,
0.2846

1.2886, 0.0946,
0.1317

248.8562, 0.2607,

0.1324, 0.0000,

0.2874

0.0342

299.4344, 0.2637,
0.2898

0.0000, 0.0000,
0.0000

42.4729, 0.2225,
0.2548

42.4729, 0.2225,
0.2548

37.7321, 0.2108,
0.2399

47.8518, 0.2359,
0.2693

33.5836, 0.2010,
0.2248

53.9008, 0.2504,
0.2832

29.9803, 0.1933,
0.2099

60.6547, 0.2657,
0.2962

26.8606, 0.1877,
0.1956

68.1440, 0.2814,
0.3082

76.3971, 0.2971,
0.3191

■ 85.4407, 0.3126,
0.3289

■ 94.0158, 0.3233,
0.3379

■ 98.9529, 0.3226,
0.3454

Harmonies

Analogous

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



42.4729, 0.2176, 0.2857



42.4729, 0.2225, 0.2548



42.4729, 0.2490, 0.2448

Triad

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



42.4729, 0.2225, 0.2548



42.4729, 0.3951, 0.3163



42.4729, 0.3244, 0.4209

Complementary

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



42.4729, 0.2225, 0.2548



40.8350, 0.4583, 0.3880

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.



42.4729, 0.3745, 0.4224



42.4729, 0.2225, 0.2548



42.4729, 0.4182, 0.3580

Square

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



42.4729, 0.2225, 0.2548



42.4729, 0.3479, 0.2796



42.4729, 0.4097, 0.3969



42.4729, 0.2736, 0.3871

Rectangle

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



42.4729, 0.2225, 0.2548



42.4729, 0.2772, 0.2490



42.4729, 0.4097, 0.3969



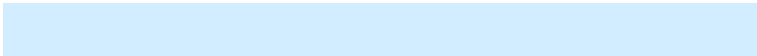
42.4729, 0.3419, 0.4251

Sweetspot

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



42.4744, 0.2225, 0.2548



81.5545, 0.2845, 0.3104



65.7807, 0.2796, 0.4508



16.8778, 0.2799, 0.3071



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.



42.4744, 0.2225, 0.2548



43.0032, 0.2084, 0.2365



20.1383, 0.2002, 0.1555



16.8480, 0.2980, 0.3197



15.2440, 0.1883, 0.1978



1.4602, 0.1936, 0.2169

Inverse Universe

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



29.7901, 0.3810, 0.2370



29.2931, 0.4018, 0.2254



70.8866, 0.4073, 0.4563



15.9223, 0.3197, 0.3146



11.3322, 0.4478, 0.2240



0.9621, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 42.4729, 0.2225, 0.2548 looks on a white background.

Color Contrast Check

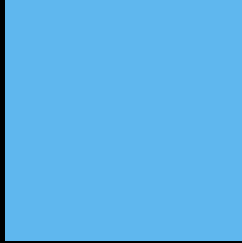
Large Text (above 18pt) WCAG AA × Fail

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 42.4729, 0.2225, 0.2548 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

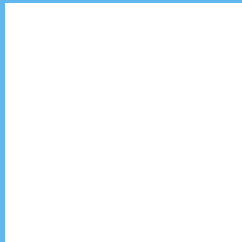
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4729, 0.2225, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 42.4729, 0.2225, 0.2548.



This preview shows how white text looks on a background with the Yxy color 42.4729, 0.2225, 0.2548.

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

42.4729, 0.2225, 0.2548

Protanopia

41.9511, 0.2590, 0.2550

Deuteranopia

42.0560, 0.2478, 0.2413



Tritanopia

42.4603, 0.2340, 0.3066

Trichromacy



Original Color

42.4729, 0.2225, 0.2548

Protanomaly

41.5545, 0.2429, 0.2541

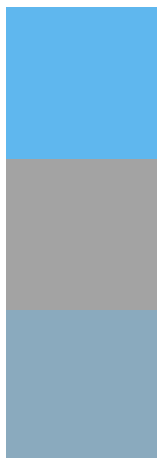
Deuteranomaly

41.7765, 0.2370, 0.2449

Tritanomaly

42.4298, 0.2296, 0.2873

Monochromacy



Original Color

42.4729, 0.2225, 0.2548

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8704, 0.2705, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4729, 0.2225, 0.2548 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(95, 183, 238)` looks like.

```
.text, #text, p{  
    color:rgb(95, 183, 238)  
}
```

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(95, 183, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 183, 238) }
```

Border

The CSS property to change the border of an element to Yxy 42.4729, 0.2225, 0.2548 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(95, 183, 238) }
```

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

```
.border{ border-color:rgb(95, 183, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 183, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 183, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 183, 238);  
box-shadow:4px 4px 4px 4px rgb(95, 183,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4729, 0.2225, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 183, 238) }
```

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

```
.background{ background-color: rgb(95, 183,  
238) }
```

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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