

Converting Colors

$Y_{xy}(42.9236, 0.2333, 0.2539)$

Have a look what the booklet for
Yxy(42.9236, 0.2333, 0.2539)
contains.

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Color

Yxy(42.6789, 0.2332, 0.2538)

Conversions

Conversions Part 1

Format	Color
Hex	77B4ED
RGB	119, 180, 237
RGB Percent	47%, 71%, 93%
CMY	0.5332, 0.2941, 0.0707
CMYK	0.50, 0.24, 0.00, 0.07
HSL	209°, 77%, 70%
HSV	209°, 50%, 93%
XYZ	39.2148, 42.6789, 86.2659
YIQ	168.2590, -54.6530, 4.7950

Conversions

Conversions Part 2

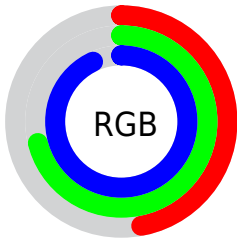
Format	Color
R _Y B	119, 159, 237
Decimal	7845101
CIE Lab	71.34, -4.22, -34.48
CIE LCh	71, 34.742, 263.017
Yxy	42.6789, 0.2332, 0.2538
Android (android.graphics.Color)	4286035181 (0xFF77B4ED)
YUV	168.2590, 33.8893, -43.2001
Hunter-Lab	65.3291, -7.1785, -32.5610

Details

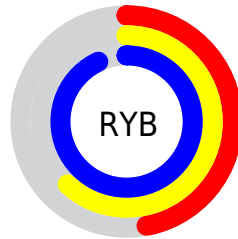
The Yxy color **42.6789, 0.2332, 0.2538** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.3854, 0.4184, 0.3921**, and the grayscale version is **39.1468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5580, 0.2662, 0.3079**, and **19.4447, 0.2118, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **36.7743, 0.2184, 0.2353**, and if you desaturate by 10%, it is **49.3863, 0.2490, 0.2715**.

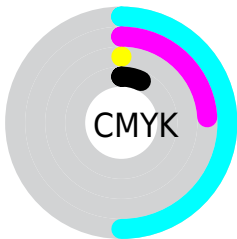
Distribution



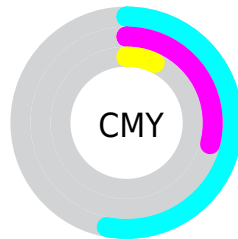
- Red (47%)
- Green (71%)
- Blue (93%)



- Red (47%)
- Yellow (62%)
- Blue (93%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6789, 0.2332, 0.2538 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 42.6789, 0.2332, 0.2538 by changing the saturation by 10% instead.

■ 42.6789, 0.2332,
0.2538

■ 42.6789, 0.2332,
0.2538

■ 357.2896, 0.2721,
0.2911

■ 29.6333, 0.2239,
0.2448

■ 79.2261, 0.2471,
0.2672

■ 19.5604, 0.2123,
0.2334

■ 103.4964, 0.2524,
0.2723

■ 12.0759, 0.1973,
0.2186

■ 132.2771, 0.2569,
0.2766

■ 6.7954, 0.1776,
0.1989

■ 165.9525, 0.2608,
0.2803

■ 3.3345, 0.1508,
0.1718

■ 204.9071, 0.2642,
0.2835

■ 1.3087, 0.1135,
0.1332

■ 249.5252, 0.2671,

■ 0.1480, 0.0098,

0.2864

0.0388

300.1912, 0.2698,
0.2889

0.0000, 0.0000,
0.0000

42.6789, 0.2332,
0.2538

42.6789, 0.2332,
0.2538

36.7743, 0.2184,
0.2353

49.3863, 0.2490,
0.2715

31.6270, 0.2051,
0.2163

56.9292, 0.2652,
0.2880

27.1928, 0.1939,
0.1973

65.3434, 0.2815,
0.3032

23.4190, 0.1849,
0.1788

74.6613, 0.2976,
0.3169

20.2240, 0.1782,
0.1613

84.9132, 0.3131,
0.3293

■ 20.1538, 0.1780,
0.1609

■ 94.9286, 0.3238,
0.3404

■ 98.8925, 0.3232,
0.3464

Harmonies

Analogous

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



42.6789, 0.2219, 0.2771



42.6789, 0.2332, 0.2538



42.6789, 0.2645, 0.2502

Triad

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



42.6789, 0.2332, 0.2538



42.6789, 0.4001, 0.3296



42.6789, 0.3082, 0.4080

Complementary

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



42.6789, 0.2332, 0.2538



50.3854, 0.4184, 0.3921

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.



42.6789, 0.3572, 0.4196



42.6789, 0.2332, 0.2538



42.6789, 0.4126, 0.3692

Square

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



42.6789, 0.2332, 0.2538



42.6789, 0.3616, 0.2925



42.6789, 0.3960, 0.4029



42.6789, 0.2627, 0.3687

Rectangle

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



42.6789, 0.2332, 0.2538



42.6789, 0.2942, 0.2578



42.6789, 0.3960, 0.4029



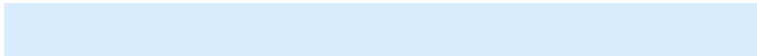
42.6789, 0.3248, 0.4154

Sweetspot

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



42.6805, 0.2332, 0.2538



82.2258, 0.2891, 0.3098



67.5331, 0.2780, 0.4123



17.1078, 0.2857, 0.3069



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.



42.6805, 0.2332, 0.2538



43.1295, 0.2178, 0.2344



24.1965, 0.2182, 0.1762



15.8370, 0.2981, 0.3173



11.2711, 0.1788, 0.1637



1.0776, 0.1856, 0.1881

Inverse Universe

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



34.4978, 0.3784, 0.2624



34.1027, 0.3998, 0.2509



77.6302, 0.3875, 0.4463



15.1841, 0.3212, 0.3169



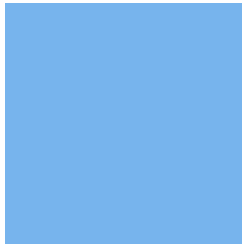
10.6306, 0.4885, 0.2464



0.8542, 0.4589, 0.2302

Previews

White Background



This preview shows how the Yxy color 42.6789, 0.2332, 0.2538 looks on a white background.

Color Contrast Check

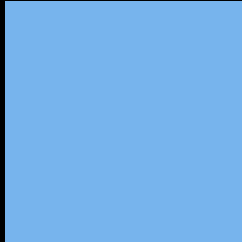
Large Text (above 18pt) WCAG AA × Fail

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 42.6789, 0.2332, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

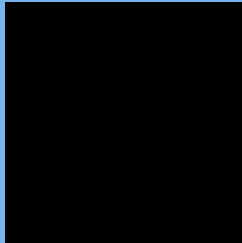
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

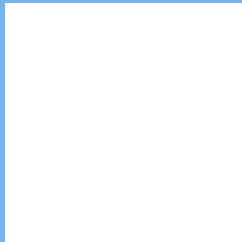
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6789, 0.2332, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 42.6789, 0.2332, 0.2538.

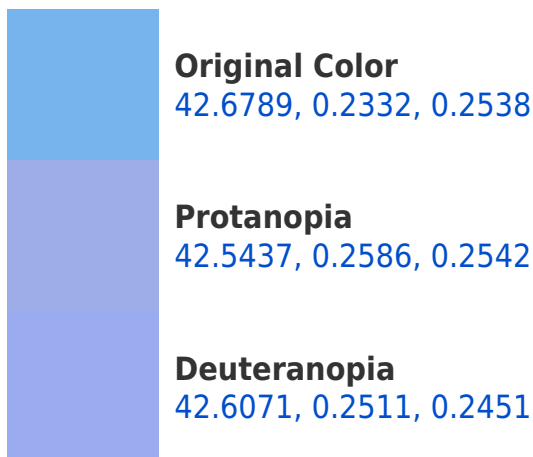


This preview shows how white text looks on a background with the Yxy color 42.6789, 0.2332, 0.2538.

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

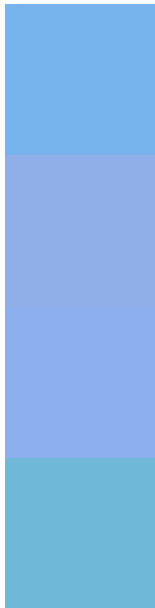




Tritanopia

42.5702, 0.2471, 0.3057

Trichromacy



Original Color

42.6789, 0.2332, 0.2538

Protanomaly

42.4724, 0.2486, 0.2542

Deuteranomaly

42.4957, 0.2439, 0.2483

Tritanomaly

42.6320, 0.2417, 0.2855

Monochromacy



Original Color

42.6789, 0.2332, 0.2538

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.8393, 0.2779, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6789, 0.2332, 0.2538 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(119, 180, 237)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 237)  
}
```

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(119, 180, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 237) }
```

Border

The CSS property to change the border of an element to Yxy 42.6789, 0.2332, 0.2538 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(119, 180, 237) }
```

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

```
.border{ border-color:rgb(119, 180, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 237);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6789, 0.2332, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 237) }
```

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

```
.background{ background-color: rgb(119,  
180, 237) }
```

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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