

Converting Colors

$Yxy(47.9164, 0.2026, 0.1838)$

Have a look what the booklet for
Yxy(47.9164, 0.2026, 0.1838)
contains.

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Color

Yxy(43.2421, 0.2237, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	75B3FF
RGB	117, 179, 255
RGB Percent	46%, 70%, 100%
CMY	0.5415, 0.2980, 0.0000
CMYK	0.54, 0.30, 0.00, 0.00
HSL	213°, 100%, 73%
HSV	213°, 54%, 100%
XYZ	41.4983, 43.2421, 100.7684
YIQ	169.1260, -61.3480, 10.4920

Conversions

Conversions Part 2

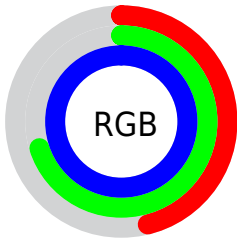
Format	Color
RYB	117, 160, 255
Decimal	7713791
CIELab	71.72, 1.22, -43.66
CIElCh	72, 43.680, 271.596
Yxy	43.2421, 0.2237, 0.2331
Android (android.graphics.Color)	4285903871 (0xFF75B3FF)
YUV	169.1260, 42.3359, -45.7145
Hunter-Lab	65.7587, -2.4319, -44.8246

Details

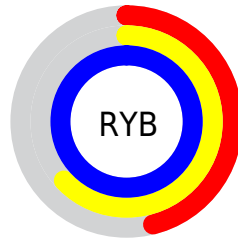
The Yxy color **43.2421, 0.2237, 0.2331** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.6424, 0.4253, 0.4062**, and the grayscale version is **39.5442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8668, 0.2655, 0.3068**, and **19.9860, 0.2011, 0.2094** is the 20% darker color. If you saturate the color by 10%, you get **36.3701, 0.2085, 0.2115**, and if you desaturate by 10%, it is **51.1702, 0.2400, 0.2540**.

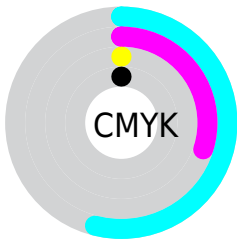
Distribution



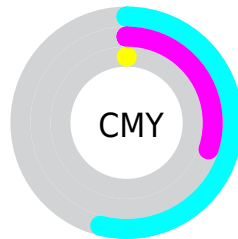
- Red (46%)
- Green (70%)
- Blue (100%)



- Red (46%)
- Yellow (63%)
- Blue (100%)



- Cyan (54%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2421, 0.2237, 0.2331 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 43.2421, 0.2237, 0.2331 by changing the saturation by 10% instead.

■ 43.2421, 0.2237,
0.2331

■ 43.2421, 0.2237,
0.2331

■ 359.6065, 0.2669,
0.2794

■ 30.0751, 0.2136,
0.2223

■ 80.0761, 0.2389,
0.2494

■ 19.8956, 0.2011,
0.2089

■ 104.5118, 0.2448,
0.2557

■ 12.3192, 0.1852,
0.1920

■ 133.4727, 0.2498,
0.2611

■ 6.9614, 0.1647,
0.1703

■ 167.3430, 0.2541,
0.2657

■ 3.4380, 0.1378,
0.1417

■ 206.5071, 0.2579,
0.2698

■ 1.3645, 0.1020,
0.1041

■ 251.3494, 0.2613,

■ 0.1903, 0.0353,

0.2734

0.0319

302.2544, 0.2642,
0.2766

0.0000, 0.0000,
0.0000

43.2421, 0.2237,
0.2331

43.2421, 0.2237,
0.2331

36.3701, 0.2085,
0.2115

51.1702, 0.2400,
0.2540

30.4929, 0.1951,
0.1898

60.2021, 0.2569,
0.2737

25.5476, 0.1840,
0.1686

70.3871, 0.2739,
0.2919

21.4583, 0.1756,
0.1488

81.7699, 0.2904,
0.3085

19.4066, 0.1717,
0.1380

94.3925, 0.3064,
0.3233

100.0000, 0.3127,
0.3290

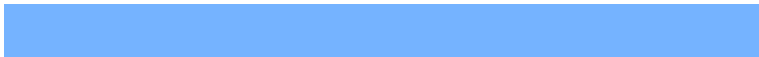
Harmonies

Analogous

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



43.2421, 0.2031, 0.2532



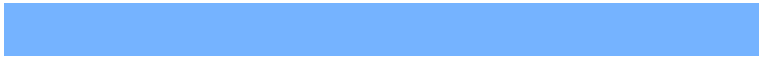
43.2421, 0.2237, 0.2331



43.2421, 0.2674, 0.2358

Triad

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



43.2421, 0.2237, 0.2331



43.2421, 0.4306, 0.3419



43.2421, 0.2886, 0.4188

Complementary

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



43.2421, 0.2237, 0.2331



60.6424, 0.4253, 0.4062

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.



43.2421, 0.3495, 0.4435



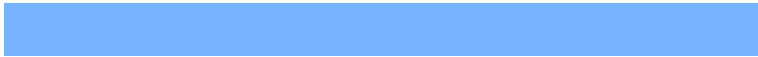
43.2421, 0.2237, 0.2331



43.2421, 0.4346, 0.3894

Square

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



43.2421, 0.2237, 0.2331



43.2421, 0.3901, 0.2957



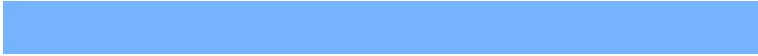
43.2421, 0.4035, 0.4286



43.2421, 0.2372, 0.3606

Rectangle

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



43.2421, 0.2237, 0.2331



43.2421, 0.3067, 0.2488



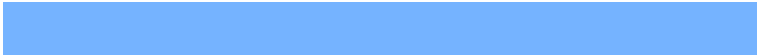
43.2421, 0.4035, 0.4286



43.2421, 0.3086, 0.4317

Sweetspot

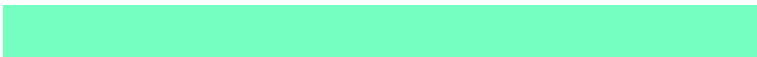
The Sweet Spot groups the original color and five complimentary colors.



43.2435, 0.2237, 0.2331



79.5681, 0.2874, 0.3055



79.1410, 0.2706, 0.4065



16.5180, 0.2840, 0.3022



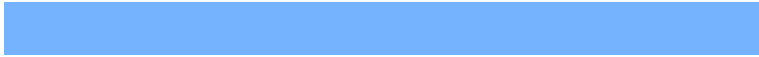
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



43.2435, 0.2237, 0.2331



35.8307, 0.2073, 0.2096



24.1976, 0.2117, 0.1567



18.7228, 0.2979, 0.3156



10.4287, 0.1725, 0.1410



1.2299, 0.1785, 0.1627

Inverse Universe

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



37.2206, 0.3985, 0.2661



31.1191, 0.4259, 0.2573



92.7767, 0.3864, 0.4613



18.1229, 0.3223, 0.3184



11.7807, 0.5178, 0.2626



1.1687, 0.4897, 0.2471

Previews

White Background



This preview shows how the Yxy color 43.2421, 0.2237, 0.2331 looks on a white background.

Color Contrast Check

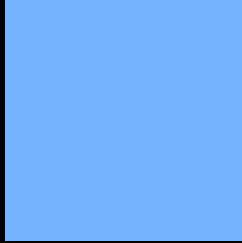
Large Text (above 18pt) WCAG AA × Fail

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 43.2421, 0.2237, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

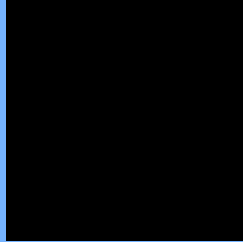
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

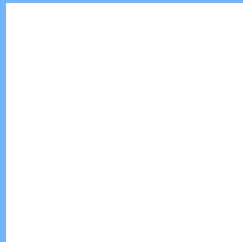
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.2421, 0.2237, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 43.2421, 0.2237, 0.2331.



This preview shows how white text looks on a background with the Yxy color 43.2421, 0.2237, 0.2331.

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

43.2421, 0.2237, 0.2331

Protanopia

42.8912, 0.2425, 0.2333

Deuteranopia

43.1548, 0.2350, 0.2296



Tritanopia

43.3515, 0.2418, 0.3071

Trichromacy



Original Color

43.2421, 0.2237, 0.2331

Protanomaly

43.0915, 0.2350, 0.2334

Deuteranomaly

43.1762, 0.2305, 0.2310

Tritanomaly

43.0289, 0.2344, 0.2763

Monochromacy



Original Color

43.2421, 0.2237, 0.2331

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5413, 0.2731, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2421, 0.2237, 0.2331 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(117, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 179, 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(117, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.2421, 0.2237, 0.2331 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(117, 179, 255) }
```

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

```
.border{ border-color:rgb(117, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2421, 0.2237, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 179, 255) }
```

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

```
.background{ background-color: rgb(117,  
179, 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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