

Converting Colors

$Y_{xy}(42.8701, 0.2312, 0.2521)$

Have a look what the booklet for
Yxy(42.8701, 0.2312, 0.2521)
contains.

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Color

Yxy(43.0616, 0.2315, 0.2527)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 75B5EF |
| RGB | 117, 181, 239 |
| RGB Percent | 46%, 71%, 94% |
| CMY | 0.5408, 0.2902, 0.0627 |
| CMYK | 0.51, 0.24, 0.00, 0.06 |
| HSL | 209°, 79%, 70% |
| HSV | 209°, 51%, 94% |
| XYZ | 39.4490, 43.0616, 87.8954 |
| YIQ | 168.4760, -56.7620, 4.4700 |

Conversions

Conversions Part 2

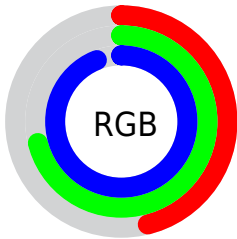
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 117, 159, 239 |
| Decimal | 7714287 |
| CIELab | 71.60, -4.61, -35.19 |
| CIELCh | 72, 35.494, 262.543 |
| Yxy | 43.0616, 0.2315, 0.2527 |
| Android (android.graphics.Color) | 4285904367 (0xFF75B5EF) |
| YUV | 168.4760, 34.7683, -45.1445 |
| Hunter-Lab | 65.6213, -7.5301, -33.4801 |

Details

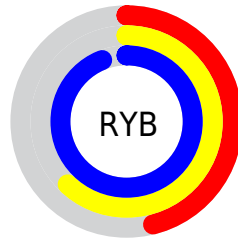
The Yxy color **43.0616, 0.2315, 0.2527** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.3405, 0.4224, 0.3926**, and the grayscale version is **39.2611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9023, 0.2652, 0.3090**, and **19.6980, 0.2099, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **37.1741, 0.2170, 0.2344**, and if you desaturate by 10%, it is **49.7525, 0.2471, 0.2702**.

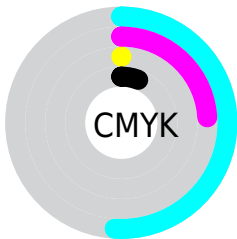
Distribution



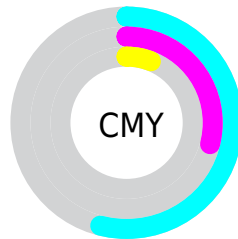
- Red (46%)
- Green (71%)
- Blue (94%)



- Red (46%)
- Yellow (62%)
- Blue (94%)



- Cyan (51%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (54%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0616, 0.2315, 0.2527 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 43.0616, 0.2315, 0.2527 by changing the saturation by 10% instead.

■ 43.0616, 0.2315,
0.2527

■ 43.0616, 0.2315,
0.2527

■ 358.8650, 0.2711,
0.2905

■ 29.9335, 0.2221,
0.2436

■ 79.8038, 0.2456,
0.2662

■ 19.7881, 0.2103,
0.2321

■ 104.1867, 0.2510,
0.2714

■ 12.2411, 0.1952,
0.2172

■ 133.0899, 0.2556,
0.2758

■ 6.9081, 0.1753,
0.1975

■ 166.8978, 0.2595,
0.2795

■ 3.4047, 0.1485,
0.1703

■ 205.9949, 0.2630,
0.2828

■ 1.3465, 0.1114,
0.1320

■ 250.7656, 0.2660,

■ 0.1768, 0.0137,

0.2857

0.0435

301.5941, 0.2687,
0.2882

0.0000, 0.0000,
0.0000

43.0616, 0.2315,
0.2527

43.0616, 0.2315,
0.2527

37.1741, 0.2170,
0.2344

49.7525, 0.2471,
0.2702

32.0436, 0.2040,
0.2156

57.2802, 0.2632,
0.2866

27.6246, 0.1931,
0.1969

65.6813, 0.2795,
0.3018

23.8624, 0.1846,
0.1788

74.9887, 0.2956,
0.3155

20.9661, 0.1787,
0.1633

85.2331, 0.3112,
0.3278

 95.3866, 0.3225,
0.3389

 99.0122, 0.3220,
0.3444

Harmonies

Analogous

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



43.0616, 0.2203, 0.2766



43.0616, 0.2315, 0.2527



43.0616, 0.2629, 0.2488

Triad

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



43.0616, 0.2315, 0.2527



43.0616, 0.4013, 0.3289



43.0616, 0.3088, 0.4101

Complementary

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



43.0616, 0.2315, 0.2527



50.3405, 0.4224, 0.3926

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.



43.0616, 0.3586, 0.4212



43.0616, 0.2315, 0.2527



43.0616, 0.4145, 0.3691

Square

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



43.0616, 0.2315, 0.2527



43.0616, 0.3617, 0.2913



43.0616, 0.3979, 0.4037



43.0616, 0.2624, 0.3702

Rectangle

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



43.0616, 0.2315, 0.2527



43.0616, 0.2931, 0.2563



43.0616, 0.3979, 0.4037



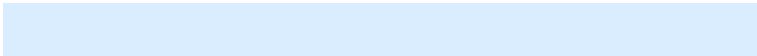
43.0616, 0.3258, 0.4174

Sweetspot

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



43.0632, 0.2315, 0.2527



82.3844, 0.2892, 0.3101



68.5786, 0.2774, 0.4149



17.1460, 0.2857, 0.3072



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.



43.0632, 0.2315, 0.2527



42.9356, 0.2167, 0.2340



23.7337, 0.2155, 0.1717



16.5998, 0.2980, 0.3175



11.8510, 0.1794, 0.1660



1.1851, 0.1858, 0.1889

Inverse Universe

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



34.4314, 0.3799, 0.2600



33.6043, 0.4005, 0.2489



79.0198, 0.3892, 0.4489



15.8973, 0.3211, 0.3167



10.9897, 0.4856, 0.2449



0.9344, 0.4580, 0.2297

Previews

White Background



This preview shows how the Yxy color 43.0616, 0.2315, 0.2527 looks on a white background.

Color Contrast Check

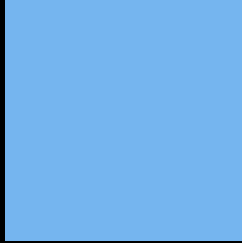
Large Text (above 18pt) WCAG AA × Fail

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 43.0616, 0.2315, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

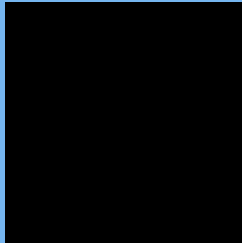
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

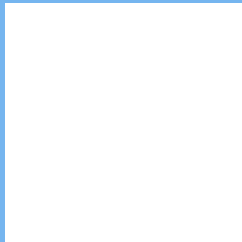
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0616, 0.2315, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 43.0616, 0.2315, 0.2527.



This preview shows how white text looks on a background with the Yxy color 43.0616, 0.2315, 0.2527.

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

43.0616, 0.2315, 0.2527

Protanopia

42.6573, 0.2574, 0.2520

Deuteranopia

42.6282, 0.2493, 0.2428



Tritanopia

43.2815, 0.2455, 0.3072

Trichromacy



Original Color

43.0616, 0.2315, 0.2527

Protanomaly

42.4977, 0.2468, 0.2518

Deuteranomaly

42.5267, 0.2423, 0.2460

Tritanomaly

42.9070, 0.2398, 0.2855

Monochromacy



Original Color

43.0616, 0.2315, 0.2527

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1717, 0.2765, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0616, 0.2315, 0.2527 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, 181, 239)` looks like.

```
.text, #text, p{  
    color:rgb(117, 181, 239)  
}
```

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, 181, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 181, 239) }
```

Border

The CSS property to change the border of an element to Yxy 43.0616, 0.2315, 0.2527 is called "border". The border property can be set on classes, ids or directly on the HTML element.

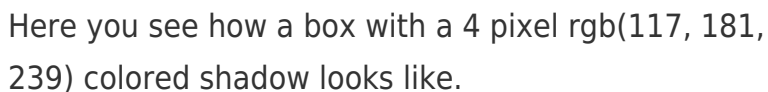
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 181, 239) }
```

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

```
.border{ border-color:rgb(117, 181, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 181, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 181, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 181, 239); box-shadow:4px 4px 4px 4px rgb(117, 181, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0616, 0.2315, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 181, 239) }
```

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

```
.background{ background-color: rgb(117,  
181, 239) }
```

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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