

Converting Colors

$Y_{xy}(43.4362, 0.2156, 0.2275)$

Have a look what the booklet for
Yxy(43.4362, 0.2156, 0.2275)
contains.

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Color

Yxy(43.1513, 0.2181, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	67B5FF
RGB	103, 181, 255
RGB Percent	40%, 71%, 100%
CMY	0.5963, 0.2902, 0.0000
CMYK	0.60, 0.29, 0.00, 0.00
HSL	209°, 100%, 70%
HSV	209°, 60%, 100%
XYZ	40.1677, 43.1513, 100.8521
YIQ	166.1140, -70.2420, 6.4780

Conversions

Conversions Part 2

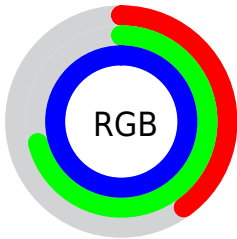
Format	Color
RYB	103, 155, 255
Decimal	6796799
CIELab	71.66, -2.62, -43.82
CIELCh	72, 43.901, 266.583
Yxy	43.1513, 0.2181, 0.2343
Android (android.graphics.Color)	4284986879 (0xFF67B5FF)
YUV	166.1140, 43.8208, -55.3510
Hunter-Lab	65.6896, -5.8082, -45.0441

Details

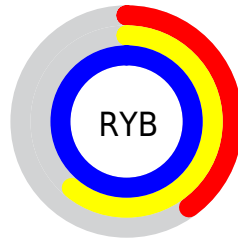
The Yxy color **43.1513, 0.2181, 0.2343** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.6627, 0.4462, 0.4032**, and the grayscale version is **37.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6809, 0.2596, 0.3087**, and **19.7222, 0.1942, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **37.0419, 0.2048, 0.2151**, and if you desaturate by 10%, it is **50.1678, 0.2330, 0.2531**.

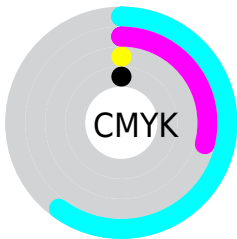
Distribution



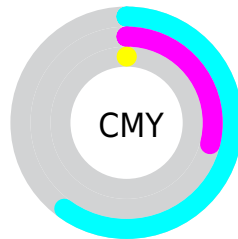
- Red (40%)
- Green (71%)
- Blue (100%)



- Red (40%)
- Yellow (61%)
- Blue (100%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1513, 0.2181, 0.2343 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 43.1513, 0.2181, 0.2343 by changing the saturation by 10% instead.


 43.1513, 0.2181,
0.2343


 43.1513, 0.2181,
0.2343


359.2336, 0.2637,
0.2803


 30.0038, 0.2075,
0.2235


 79.9391, 0.2342,
0.2506

 19.8415, 0.1944,
0.2101


 104.3483, 0.2403,
0.2568

 12.2799, 0.1778,
0.1931


 133.2801, 0.2456,
0.2622

 6.9346, 0.1566,
0.1712

167.1191, 0.2502,
0.2668

 3.4212, 0.1289,
0.1424

206.2495, 0.2543,
0.2708

 1.3554, 0.0928,
0.1043

251.0558, 0.2578,

 0.1835, 0.0188,

0.2744

0.0313

301.9224, 0.2609,
0.2775

0.0000, 0.0000,
0.0000

43.1513, 0.2181,
0.2343

43.1513, 0.2181,
0.2343

37.0419, 0.2048,
0.2151

50.1678, 0.2330,
0.2531

31.7876, 0.1934,
0.1959

58.1435, 0.2489,
0.2710

27.3238, 0.1844,
0.1773

67.1222, 0.2652,
0.2877

23.5567, 0.1777,
0.1596

77.1454, 0.2816,
0.3031

23.4257, 0.1775,
0.1590

88.2518, 0.2977,
0.3170

100.0000, 0.3127,
0.3290

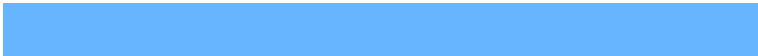
Harmonies

Analogous

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



43.1513, 0.2015, 0.2585



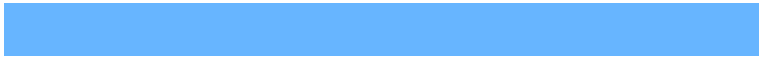
43.1513, 0.2181, 0.2343



43.1513, 0.2583, 0.2335

Triad

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



43.1513, 0.2181, 0.2343



43.1513, 0.4268, 0.3338



43.1513, 0.2984, 0.4264

Complementary

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



43.1513, 0.2181, 0.2343



53.6627, 0.4462, 0.4032

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.



43.1513, 0.3597, 0.4442



43.1513, 0.2181, 0.2343



43.1513, 0.4373, 0.3819

Square

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



43.1513, 0.2181, 0.2343



43.1513, 0.3810, 0.2884



43.1513, 0.4111, 0.4237



43.1513, 0.2441, 0.3718

Rectangle

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



43.1513, 0.2181, 0.2343



43.1513, 0.2962, 0.2444



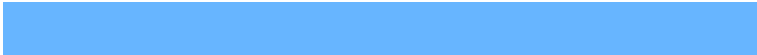
43.1513, 0.4111, 0.4237



43.1513, 0.3189, 0.4371

Sweetspot

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



43.1503, 0.2181, 0.2343



78.8765, 0.2843, 0.3054



77.5530, 0.2728, 0.4298



16.2240, 0.2795, 0.3012



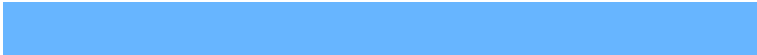
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



43.1503, 0.2181, 0.2343



35.7194, 0.2019, 0.2105



20.3037, 0.1968, 0.1390



18.9198, 0.2979, 0.3171



12.5407, 0.1783, 0.1619



1.4398, 0.1839, 0.1821

Inverse Universe

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



34.2877, 0.3997, 0.2518



28.5578, 0.4280, 0.2426



92.1521, 0.3987, 0.4672



18.1428, 0.3213, 0.3169



11.9940, 0.4908, 0.2477



1.1899, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 43.1513, 0.2181, 0.2343 looks on a white background.

Color Contrast Check

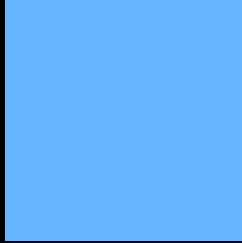
Large Text (above 18pt) WCAG AA × Fail

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 43.1513, 0.2181, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

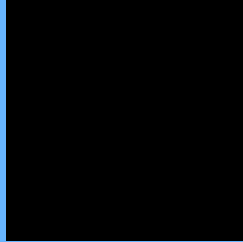
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

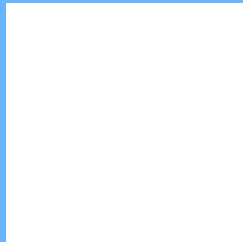
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.1513, 0.2181, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 43.1513, 0.2181, 0.2343.



This preview shows how white text looks on a background with the Yxy color 43.1513, 0.2181, 0.2343.

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

43.1513, 0.2181, 0.2343

Protanopia

42.8617, 0.2442, 0.2354

Deuteranopia

42.7699, 0.2348, 0.2284



Tritanopia

43.0325, 0.2338, 0.3053

Trichromacy



Original Color

43.1513, 0.2181, 0.2343

Protanomaly

42.6933, 0.2332, 0.2339

Deuteranomaly

42.7827, 0.2279, 0.2303

Tritanomaly

43.0463, 0.2275, 0.2771

Monochromacy



Original Color

43.1513, 0.2181, 0.2343

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0427, 0.2689, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1513, 0.2181, 0.2343 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(103, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 181, 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(103, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.1513, 0.2181, 0.2343 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(103, 181, 255) }
```

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

```
.border{ border-color:rgb(103, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1513, 0.2181, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 181, 255) }
```

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

```
.background{ background-color: rgb(103,  
181, 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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