

Converting Colors

$Y_{xy}(45.6217, 0.2133, 0.1864)$

Have a look what the booklet for
Yxy(45.6217, 0.2133, 0.1864)
contains.

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Color

Yxy(42.2140, 0.2334, 0.2268)

Conversions

Conversions Part 1

Format	Color
Hex	8BACFF
RGB	139, 172, 255
RGB Percent	55%, 67%, 100%
CMY	0.4551, 0.3254, 0.0000
CMYK	0.46, 0.33, 0.00, 0.00
HSL	223°, 100%, 77%
HSV	223°, 46%, 100%
XYZ	43.4424, 42.2140, 100.4723
YIQ	171.5950, -46.3110, 18.8170

Conversions

Conversions Part 2

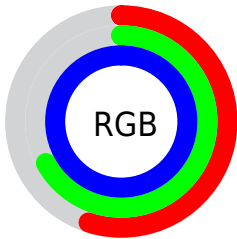
Format	Color
R _Y B	139, 165, 255
Decimal	9153791
CIE Lab	71.02, 10.07, -44.68
CIE LCh	71, 45.801, 282.702
Yxy	42.2140, 0.2334, 0.2268
Android (android.graphics.Color)	4287343871 (0xFF8BACFF)
YUV	171.5950, 41.1187, -28.5858
Hunter-Lab	64.9723, 5.6490, -46.2047

Details

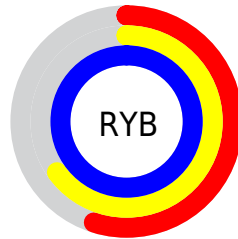
The Yxy color **42.2140, 0.2334, 0.2268** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.3223, 0.3946, 0.4128**, and the grayscale version is **40.8409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0285, 0.2766, 0.2987**, and **19.2595, 0.2123, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **33.8000, 0.2150, 0.1995**, and if you desaturate by 10%, it is **52.0939, 0.2521, 0.2530**.

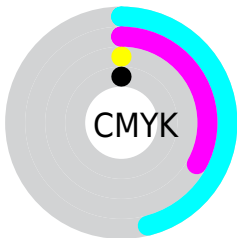
Distribution



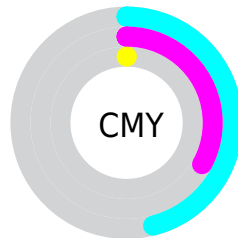
- Red (55%)
- Green (67%)
- Blue (100%)



- Red (55%)
- Yellow (65%)
- Blue (100%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2140, 0.2334, 0.2268 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 42.2140, 0.2334, 0.2268 by changing the saturation by 10% instead.

■ 42.2140, 0.2334,
0.2268

■ 42.2140, 0.2334,
0.2268

■ 355.3693, 0.2724,
0.2756

■ 29.2689, 0.2241,
0.2156

■ 78.5234, 0.2473,
0.2438

■ 19.2843, 0.2125,
0.2017

■ 102.6565, 0.2526,
0.2505

■ 11.8759, 0.1977,
0.1844

■ 131.2877, 0.2571,
0.2561

■ 6.6592, 0.1784,
0.1623

■ 164.8014, 0.2610,
0.2610

■ 3.2499, 0.1524,
0.1335

■ 203.5820, 0.2644,
0.2654

■ 1.2636, 0.1171,
0.0961

■ 248.0140, 0.2674,

■ 0.1127, 0.0590,

0.2692

0.0188

298.4816, 0.2701,
0.2725

■ 0.0000, 0.0000,
0.0000

■ 42.2140, 0.2334,
0.2268

■ 42.2140, 0.2334,
0.2268

■ 33.8000, 0.2150,
0.1995

■ 52.0939, 0.2521,
0.2530

■ 26.7742, 0.1978,
0.1719

■ 63.5057, 0.2704,
0.2773

■ 21.0557, 0.1828,
0.1454

■ 76.5146, 0.2879,
0.2993

■ 16.5526, 0.1707,
0.1213

■ 91.1813, 0.3043,
0.3191

■ 13.1577, 0.1621,
0.1010

100.0000, 0.3127,
0.3290

■ 11.9430, 0.1592,
0.0932

Harmonies

Analogous

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



42.2140, 0.2027, 0.2383



42.2140, 0.2334, 0.2268



42.2140, 0.2870, 0.2378

Triad

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



42.2140, 0.2334, 0.2268



42.2140, 0.4436, 0.3606



42.2140, 0.2649, 0.4043

Complementary

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



42.2140, 0.2334, 0.2268



75.3223, 0.3946, 0.4128

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.



42.2140, 0.3272, 0.4461



42.2140, 0.2334, 0.2268



42.2140, 0.4326, 0.4090

Square

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



42.2140, 0.2334, 0.2268



42.2140, 0.4142, 0.3109



42.2140, 0.3888, 0.4439



42.2140, 0.2185, 0.3364

Rectangle

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



42.2140, 0.2334, 0.2268



42.2140, 0.3313, 0.2559



42.2140, 0.3888, 0.4439



42.2140, 0.2846, 0.4227

Sweetspot

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



42.2150, 0.2334, 0.2268



78.6286, 0.2905, 0.3025



82.1804, 0.2672, 0.3700



16.1878, 0.2868, 0.2980



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.



42.2150, 0.2334, 0.2268



34.1987, 0.2160, 0.2009



33.3640, 0.2420, 0.1913



18.2208, 0.2979, 0.3115



6.4586, 0.1600, 0.0959



0.8055, 0.1660, 0.1176

Inverse Universe

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



42.6862, 0.3999, 0.2947



35.8218, 0.4291, 0.2888



90.5025, 0.3643, 0.4478



18.0722, 0.3249, 0.3222



11.3800, 0.5821, 0.2980



1.1259, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 42.2140, 0.2334, 0.2268 looks on a white background.

Color Contrast Check

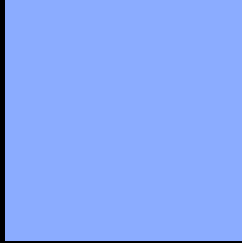
Large Text (above 18pt) WCAG AA × Fail

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 42.2140, 0.2334, 0.2268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

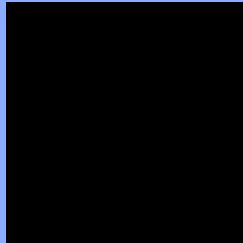
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2140, 0.2334, 0.2268

Background



This preview shows how black text looks on a background with the Yxy color 42.2140, 0.2334, 0.2268.



This preview shows how white text looks on a background with the Yxy color 42.2140, 0.2334, 0.2268.

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

42.2140, 0.2334, 0.2268

Protanopia

42.3926, 0.2378, 0.2275

Deuteranopia

42.1283, 0.2329, 0.2267



Tritanopia

42.1551, 0.2573, 0.3074

Trichromacy



Original Color

42.2140, 0.2334, 0.2268

Protanomaly

42.1212, 0.2360, 0.2271

Deuteranomaly

42.1283, 0.2329, 0.2267

Tritanomaly

42.0218, 0.2479, 0.2745

Monochromacy



Original Color

42.2140, 0.2334, 0.2268

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2429, 0.2793, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2140, 0.2334, 0.2268 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(139, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 172, 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(139, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.2140, 0.2334, 0.2268 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(139, 172, 255) }
```

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

```
.border{ border-color:rgb(139, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2140, 0.2334, 0.2268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 172, 255) }
```

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

```
.background{ background-color: rgb(139,  
172, 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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