

Converting Colors

$Y_{xy}(41.6007, 0.2357, 0.2334)$

Have a look what the booklet for
Yxy(41.6007, 0.2357, 0.2334)
contains.

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Color

Yxy(41.6007, 0.2357, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	89ACF8
RGB	137, 172, 248
RGB Percent	54%, 67%, 97%
CMY	0.4628, 0.3255, 0.0274
CMYK	0.45, 0.31, 0.00, 0.03
HSL	221°, 89%, 75%
HSV	221°, 45%, 97%
XYZ	42.0106, 41.6007, 94.6264
YIQ	170.1990, -45.2560, 16.2160

Conversions

Conversions Part 2

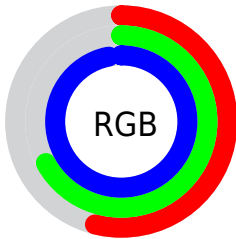
Format	Color
R _Y B	137, 164, 248
Decimal	9022712
CIE Lab	70.59, 7.62, -41.56
CIE LCh	71, 42.251, 280.386
Yxy	41.6007, 0.2357, 0.2334
Android (android.graphics.Color)	4287212792 (0xFF89ACF8)
YUV	170.1990, 38.3559, -29.1155
Hunter-Lab	64.4986, 3.3920, -41.8358

Details

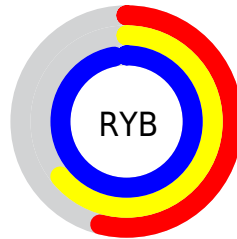
The Yxy color **41.6007, 0.2357, 0.2334** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.3448, 0.3945, 0.4082**, and the grayscale version is **40.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6275, 0.2748, 0.2985**, and **18.9000, 0.2153, 0.2094** is the 20% darker color. If you saturate the color by 10%, you get **33.6868, 0.2177, 0.2073**, and if you desaturate by 10%, it is **50.8249, 0.2540, 0.2582**.

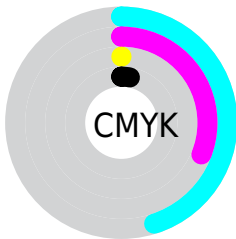
Distribution



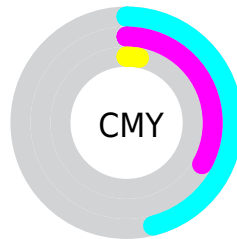
- Red (54%)
- Green (67%)
- Blue (97%)



- Red (54%)
- Yellow (64%)
- Blue (97%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)



- Cyan (46%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6007, 0.2357, 0.2334 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 41.6007, 0.2357, 0.2334 by changing the saturation by 10% instead.

■ 41.6007, 0.2357,
0.2334

■ 41.6007, 0.2357,
0.2334

■ 352.8250, 0.2737,
0.2795

■ 28.7888, 0.2266,
0.2226

■ 77.5949, 0.2493,
0.2496

■ 18.9211, 0.2151,
0.2093

■ 101.5460, 0.2545,
0.2559

■ 11.6133, 0.2005,
0.1923

■ 129.9790, 0.2589,
0.2613

■ 6.4809, 0.1812,
0.1705

■ 163.2781, 0.2627,
0.2659

■ 3.1397, 0.1550,
0.1416

■ 201.8279, 0.2660,
0.2700

■ 1.2051, 0.1189,
0.1031

■ 246.0127, 0.2689,

■ 0.0658, 0.0495,

0.2735

0.0131

296.2170, 0.2714,
0.2767

0.0000, 0.0000,
0.0000

41.6007, 0.2357,
0.2334

41.6007, 0.2357,
0.2334

33.6868, 0.2177,
0.2073

50.8249, 0.2540,
0.2582

27.0141, 0.2008,
0.1807

61.4144, 0.2720,
0.2813

21.5134, 0.1858,
0.1548

73.4265, 0.2893,
0.3022

17.1056, 0.1736,
0.1309

86.9137, 0.3054,
0.3209

13.6987, 0.1647,
0.1099

99.5577, 0.3168,
0.3357

■ 12.2593, 0.1612,
0.1004

Harmonies

Analogous

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



41.6007, 0.2085, 0.2464



41.6007, 0.2357, 0.2334



41.6007, 0.2845, 0.2421

Triad

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



41.6007, 0.2357, 0.2334



41.6007, 0.4333, 0.3557



41.6007, 0.2727, 0.4025

Complementary

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



41.6007, 0.2357, 0.2334



69.3448, 0.3945, 0.4082

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.



41.6007, 0.3314, 0.4382



41.6007, 0.2357, 0.2334



41.6007, 0.4265, 0.4012

Square

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



41.6007, 0.2357, 0.2334



41.6007, 0.4033, 0.3091



41.6007, 0.3880, 0.4343



41.6007, 0.2276, 0.3412

Rectangle

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



41.6007, 0.2357, 0.2334



41.6007, 0.3253, 0.2583



41.6007, 0.3880, 0.4343



41.6007, 0.2915, 0.4185

Sweetspot

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



41.6022, 0.2357, 0.2334



80.6120, 0.2922, 0.3056



77.2521, 0.2687, 0.3715



16.6074, 0.2885, 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.



41.6022, 0.2357, 0.2334



36.4202, 0.2189, 0.2091



31.8674, 0.2422, 0.1936



17.5364, 0.2979, 0.3123



6.8431, 0.1620, 0.1032



0.8152, 0.1685, 0.1265

Inverse Universe

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



40.8237, 0.3938, 0.2917



36.6165, 0.4207, 0.2850



85.3813, 0.3648, 0.4451



17.3154, 0.3244, 0.3215



11.1017, 0.5711, 0.2920



1.0465, 0.5375, 0.2735

Previews

White Background



This preview shows how the Yxy color 41.6007, 0.2357, 0.2334 looks on a white background.

Color Contrast Check

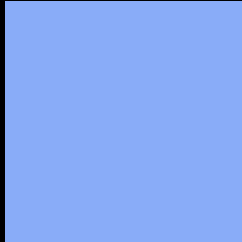
Large Text (above 18pt) WCAG AA × Fail

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 41.6007, 0.2357, 0.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

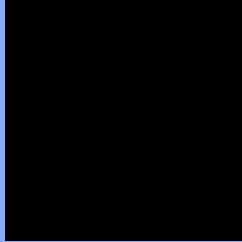
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

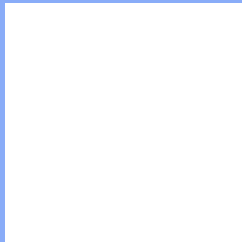
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6007, 0.2357, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 41.6007, 0.2357, 0.2334.



This preview shows how white text looks on a background with the Yxy color 41.6007, 0.2357, 0.2334.

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

41.6007, 0.2357, 0.2334

Protanopia

41.6992, 0.2430, 0.2344

Deuteranopia

41.6539, 0.2384, 0.2328



Tritanopia

41.6981, 0.2577, 0.3073

Trichromacy



Original Color

41.6007, 0.2357, 0.2334

Protanomaly

41.7705, 0.2402, 0.2341

Deuteranomaly

41.4786, 0.2373, 0.2325

Tritanomaly

41.3879, 0.2488, 0.2767

Monochromacy



Original Color

41.6007, 0.2357, 0.2334

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.4721, 0.2805, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6007, 0.2357, 0.2334 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(137, 172, 248)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 248)  
}
```

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(137, 172, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 248) }
```

Border

The CSS property to change the border of an element to Yxy 41.6007, 0.2357, 0.2334 is called "border". The border property can be set on classes, ids or directly on the HTML element.

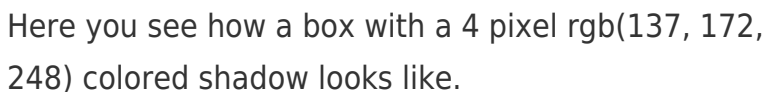
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 172, 248) }
```

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

```
.border{ border-color:rgb(137, 172, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 172, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 172, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 172, 248); box-shadow:4px 4px 4px 4px rgb(137, 172, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6007, 0.2357, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 248) }
```

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

```
.background{ background-color: rgb(137,  
172, 248) }
```

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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