

Converting Colors

$Yxy(47.1315, 0.2173, 0.2021)$

Have a look what the booklet for
Yxy(47.1315, 0.2173, 0.2021)
contains.

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Color

Yxy(44.6111, 0.2328, 0.2352)

Conversions

Conversions Part 1

Format	Color
Hex	87B3FF
RGB	135, 179, 255
RGB Percent	53%, 70%, 100%
CMY	0.4708, 0.2980, 0.0000
CMYK	0.47, 0.30, 0.00, 0.00
HSL	218°, 100%, 76%
HSV	218°, 47%, 100%
XYZ	44.1559, 44.6111, 100.9061
YIQ	174.5080, -50.6200, 14.3080

Conversions

Conversions Part 2

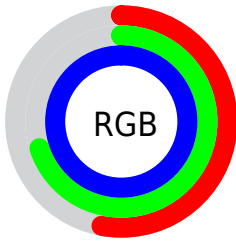
Format	Color
R _Y B	135, 167, 255
Decimal	8893439
CIE Lab	72.64, 5.20, -42.17
CIE LCh	73, 42.492, 277.027
Yxy	44.6111, 0.2328, 0.2352
Android (android.graphics.Color)	4287083519 (0xFF87B3FF)
YUV	174.5080, 39.6826, -34.6485
Hunter-Lab	66.7915, 1.1211, -42.8189

Details

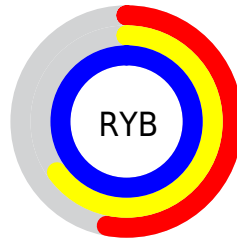
The Yxy color **44.6111, 0.2328, 0.2352** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5578, 0.4025, 0.4064**, and the grayscale version is **42.4076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9741, 0.2749, 0.3073**, and **20.8337, 0.2126, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **36.6492, 0.2156, 0.2108**, and if you desaturate by 10%, it is **53.8374, 0.2506, 0.2585**.

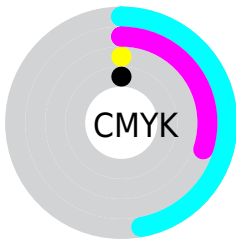
Distribution



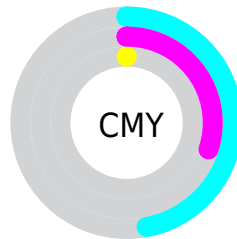
- Red (53%)
- Green (70%)
- Blue (100%)



- Red (53%)
- Yellow (65%)
- Blue (100%)



- Cyan (47%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6111, 0.2328, 0.2352 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 44.6111, 0.2328, 0.2352 by changing the saturation by 10% instead.


 44.6111, 0.2328,
0.2352

 44.6111, 0.2328,
0.2352


365.1962, 0.2717,
0.2801

 31.1512, 0.2236,
0.2248


 82.1365, 0.2466,
0.2510

 20.7140, 0.2122,
0.2119


 106.9708, 0.2518,
0.2570

 12.9151, 0.1977,
0.1957


 136.3654, 0.2563,
0.2623

 7.3701, 0.1789,
0.1748

170.7047, 0.2602,
0.2668

 3.6946, 0.1536,
0.1474

210.3730, 0.2637,
0.2707

 1.5043, 0.1193,
0.1109

255.7548, 0.2666,

 0.2917, 0.0644,

0.2742

0.0465

307.2344, 0.2693,
0.2773

0.0000, 0.0000,
0.0000

44.6111, 0.2328,
0.2352

44.6111, 0.2328,
0.2352

36.6492, 0.2156,
0.2108

53.8374, 0.2506,
0.2585

29.8876, 0.1998,
0.1860

64.3846, 0.2683,
0.2802

24.2576, 0.1859,
0.1618

76.3071, 0.2854,
0.2999

19.6809, 0.1748,
0.1391

89.6556, 0.3018,
0.3176

16.0636, 0.1668,
0.1189

100.0000, 0.3127,
0.3290

■ 15.1570, 0.1649,
0.1135

Harmonies

Analogous

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



44.6111, 0.2086, 0.2507



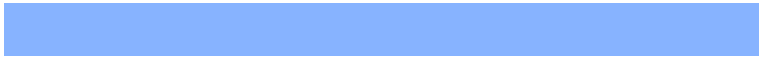
44.6111, 0.2328, 0.2352



44.6111, 0.2788, 0.2415

Triad

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



44.6111, 0.2328, 0.2352



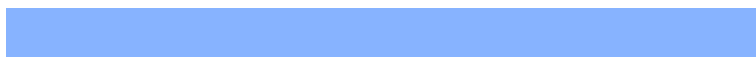
44.6111, 0.4297, 0.3502



44.6111, 0.2796, 0.4067

Complementary

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



44.6111, 0.2328, 0.2352



69.5578, 0.4025, 0.4064

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.



44.6111, 0.3379, 0.4377



44.6111, 0.2328, 0.2352



44.6111, 0.4271, 0.3956

Square

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



44.6111, 0.2328, 0.2352



44.6111, 0.3964, 0.3046



44.6111, 0.3923, 0.4300



44.6111, 0.2329, 0.3481

Rectangle

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



44.6111, 0.2328, 0.2352



44.6111, 0.3182, 0.2562



44.6111, 0.3923, 0.4300



44.6111, 0.2984, 0.4212

Sweetspot

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



44.6115, 0.2328, 0.2352



80.2687, 0.2906, 0.3056



81.2679, 0.2707, 0.3843



16.5844, 0.2870, 0.3016



0.0000, 0.0000, 0.0000



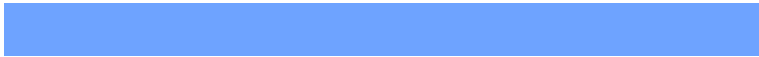
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6115, 0.2328, 0.2352



36.7106, 0.2158, 0.2110



30.9148, 0.2320, 0.1834



18.4697, 0.2979, 0.3135



8.1793, 0.1657, 0.1165



0.9963, 0.1719, 0.1390

Inverse Universe

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



41.8257, 0.3934, 0.2835



34.9812, 0.4205, 0.2755



91.9670, 0.3727, 0.4486



18.0973, 0.3236, 0.3203



11.5537, 0.5516, 0.2813



1.1451, 0.5205, 0.2641

Previews

White Background



This preview shows how the Yxy color 44.6111, 0.2328, 0.2352 looks on a white background.

Color Contrast Check

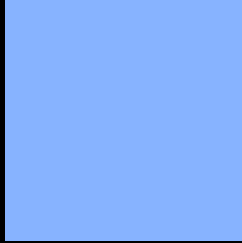
Large Text (above 18pt) WCAG AA × Fail

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 44.6111, 0.2328, 0.2352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

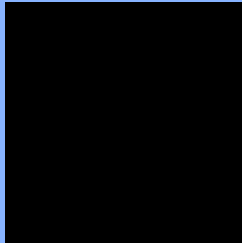
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

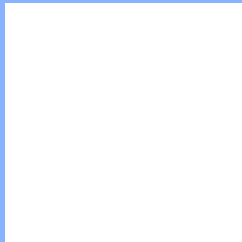
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6111, 0.2328, 0.2352

Background



This preview shows how black text looks on a background with the Yxy color 44.6111, 0.2328, 0.2352.



This preview shows how white text looks on a background with the Yxy color 44.6111, 0.2328, 0.2352.

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

44.6111, 0.2328, 0.2352

Protanopia

44.5582, 0.2445, 0.2357

Deuteranopia

44.4737, 0.2389, 0.2330



Tritanopia

44.7479, 0.2534, 0.3077

Trichromacy



Original Color

44.6111, 0.2328, 0.2352

Protanomaly

44.3456, 0.2400, 0.2350

Deuteranomaly

44.5039, 0.2368, 0.2337

Tritanomaly

44.3856, 0.2448, 0.2777

Monochromacy



Original Color

44.6111, 0.2328, 0.2352

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.8360, 0.2790, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6111, 0.2328, 0.2352 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(135, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.6111, 0.2328, 0.2352 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(135, 179, 255) }
```

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

```
.border{ border-color:rgb(135, 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(135, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6111, 0.2328, 0.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 179, 255) }
```

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

```
.background{ background-color: rgb(135,  
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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