

Converting Colors

$Y_{xy}(44.2875, 0.2246, 0.2365)$

Have a look what the booklet for
Yxy(44.2875, 0.2246, 0.2365)
contains.

Yxy(44.4578, 0.2246, 0.2371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.4578, 0.2246, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	75B6FF
RGB	117, 182, 255
RGB Percent	46%, 71%, 100%
CMY	0.5409, 0.2863, 0.0002
CMYK	0.54, 0.29, 0.00, 0.00
HSL	212°, 100%, 73%
HSV	212°, 54%, 100%
XYZ	42.1140, 44.4578, 100.9348
YIQ	170.8870, -62.1730, 8.9230

Conversions

Conversions Part 2

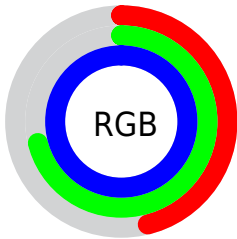
Format	Color
R _Y B	117, 161, 255
Decimal	7714559
CIE Lab	72.53, -0.43, -42.37
CIE LCh	73, 42.368, 269.422
Yxy	44.4578, 0.2246, 0.2371
Android (android.graphics.Color)	4285904639 (0xFF75B6FF)
YUV	170.8870, 41.4677, -47.2589
Hunter-Lab	66.6767, -3.9410, -43.0792

Details

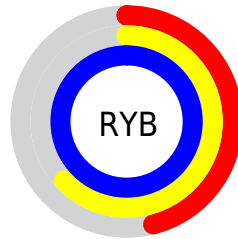
The Yxy color **44.4578, 0.2246, 0.2371** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3730, 0.4269, 0.4033**, and the grayscale version is **40.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5992, 0.2659, 0.3101**, and **20.5078, 0.2020, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **37.6646, 0.2097, 0.2163**, and if you desaturate by 10%, it is **52.2673, 0.2407, 0.2571**.

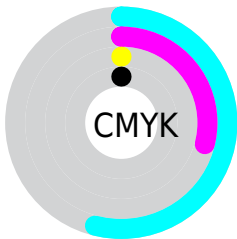
Distribution



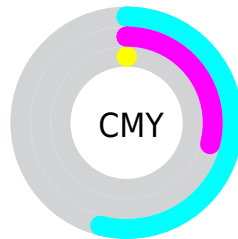
- Red (46%)
- Green (71%)
- Blue (100%)



- Red (46%)
- Yellow (63%)
- Blue (100%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4578, 0.2246, 0.2371 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 44.4578, 0.2246, 0.2371 by changing the saturation by 10% instead.

■ 44.4578, 0.2246,
0.2371

■ 44.4578, 0.2246,
0.2371

■ 364.5732, 0.2671,
0.2815

■ 31.0306, 0.2147,
0.2267

■ 81.9062, 0.2396,
0.2528

■ 20.6221, 0.2024,
0.2138

■ 106.6961, 0.2454,
0.2588

■ 12.8481, 0.1868,
0.1976

■ 136.0424, 0.2503,
0.2640

■ 7.3240, 0.1667,
0.1765

■ 170.3295, 0.2546,
0.2684

■ 3.6656, 0.1402,
0.1487

■ 209.9417, 0.2583,
0.2723

■ 1.4883, 0.1050,
0.1116

■ 255.2635, 0.2616,

■ 0.2805, 0.0418,

0.2758

0.0458

306.6791, 0.2645,
0.2788

0.0000, 0.0000,
0.0000

44.4578, 0.2246,
0.2371

44.4578, 0.2246,
0.2371

37.6646, 0.2097,
0.2163

52.2673, 0.2407,
0.2571

31.8279, 0.1966,
0.1954

61.1383, 0.2573,
0.2760

26.8873, 0.1857,
0.1749

71.1183, 0.2741,
0.2935

22.7693, 0.1774,
0.1556

82.2503, 0.2906,
0.3093

20.6667, 0.1736,
0.1448

94.5747, 0.3064,
0.3236

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



44.4578, 0.2063, 0.2585



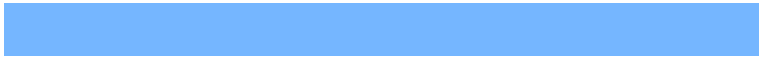
44.4578, 0.2246, 0.2371



44.4578, 0.2654, 0.2381

Triad

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



44.4578, 0.2246, 0.2371



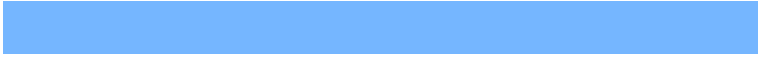
44.4578, 0.4243, 0.3384



44.4578, 0.2939, 0.4179

Complementary

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



44.4578, 0.2246, 0.2371



59.3730, 0.4269, 0.4033

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.



44.4578, 0.3526, 0.4390



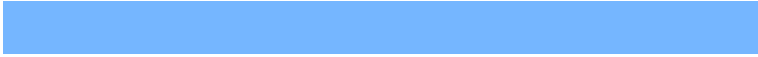
44.4578, 0.2246, 0.2371



44.4578, 0.4310, 0.3845

Square

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



44.4578, 0.2246, 0.2371



44.4578, 0.3832, 0.2940



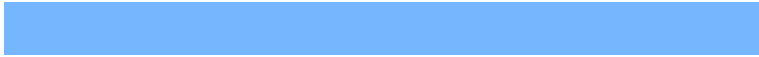
44.4578, 0.4034, 0.4230



44.4578, 0.2430, 0.3640

Rectangle

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



44.4578, 0.2246, 0.2371



44.4578, 0.3027, 0.2498



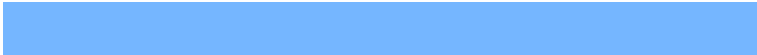
44.4578, 0.4034, 0.4230



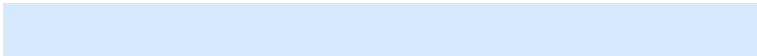
44.4578, 0.3133, 0.4294

Sweetspot

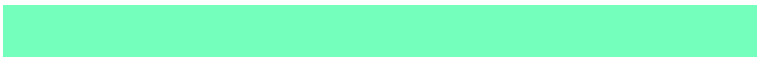
The Sweet Spot groups the original color and five complimentary colors.



44.4594, 0.2246, 0.2371



80.0587, 0.2874, 0.3064



78.9246, 0.2728, 0.4124



16.6346, 0.2841, 0.3032



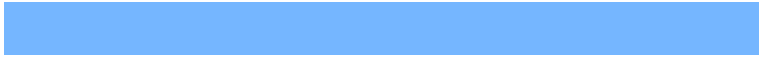
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.4594, 0.2246, 0.2371



37.1060, 0.2084, 0.2144



23.9009, 0.2090, 0.1557



18.7884, 0.2979, 0.3161



11.0959, 0.1744, 0.1478



1.2970, 0.1803, 0.1691

Inverse Universe

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



37.3661, 0.3949, 0.2633



31.2478, 0.4211, 0.2539



93.5995, 0.3896, 0.4595



18.1295, 0.3220, 0.3179



11.8481, 0.5088, 0.2576



1.1755, 0.4818, 0.2428

Previews

White Background



This preview shows how the Yxy color 44.4578, 0.2246, 0.2371 looks on a white background.

Color Contrast Check

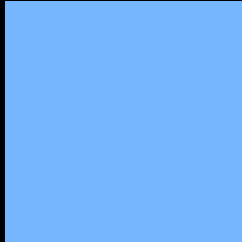
Large Text (above 18pt) WCAG AA × Fail

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 44.4578, 0.2246, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

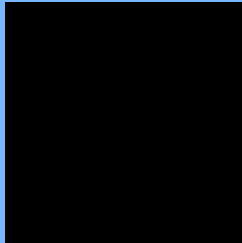
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

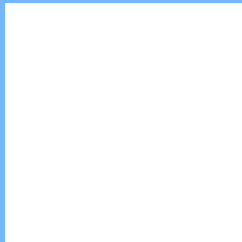
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4578, 0.2246, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 44.4578, 0.2246, 0.2371.

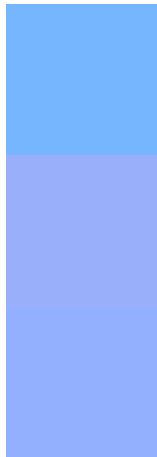


This preview shows how white text looks on a background with the Yxy color 44.4578, 0.2246, 0.2371.

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

44.4578, 0.2246, 0.2371

Protanopia

44.3695, 0.2461, 0.2387

Deuteranopia

44.3817, 0.2384, 0.2329



Tritanopia

44.4192, 0.2413, 0.3059

Trichromacy



Original Color

44.4578, 0.2246, 0.2371

Protanomaly

44.4685, 0.2379, 0.2387

Deuteranomaly

44.2117, 0.2326, 0.2339

Tritanomaly

44.4124, 0.2352, 0.2795

Monochromacy



Original Color

44.4578, 0.2246, 0.2371

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.5035, 0.2727, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4578, 0.2246, 0.2371 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, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 182, 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(117, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.4578, 0.2246, 0.2371 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, 182, 255) }
```

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

```
.border{ border-color:rgb(117, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4578, 0.2246, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 182, 255) }
```

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

```
.background{ background-color: rgb(117,  
182, 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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