

Converting Colors

$Yxy(47.3833, 0.2072, 0.2054)$

Have a look what the booklet for
Yxy(47.3833, 0.2072, 0.2054)
contains.

Yxy(44.5652, 0.2203, 0.2386)	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(44.5652, 0.2203, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	6AB8FF
RGB	106, 184, 255
RGB Percent	42%, 72%, 100%
CMY	0.5839, 0.2785, 0.0000
CMYK	0.58, 0.28, 0.00, 0.00
HSL	209°, 100%, 71%
HSV	209°, 58%, 100%
XYZ	41.1472, 44.5652, 101.0655
YIQ	168.7720, -69.2790, 5.5450

Conversions

Conversions Part 2

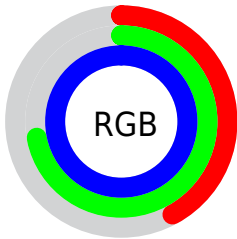
Format	Color
R _Y B	106, 157, 255
Decimal	6994175
CIE Lab	72.60, -3.67, -42.33
CIE LCh	73, 42.487, 265.039
Yxy	44.5652, 0.2203, 0.2386
Android (android.graphics.Color)	4285184255 (0xFF6AB8FF)
YUV	168.7720, 42.5104, -55.0510
Hunter-Lab	66.7572, -6.8029, -43.0307

Details

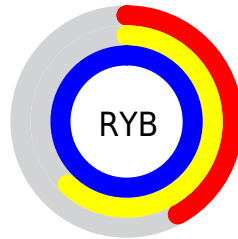
The Yxy color **44.5652, 0.2203, 0.2386** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.7974, 0.4437, 0.4006**, and the grayscale version is **39.3812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7557, 0.2615, 0.3122**, and **20.6169, 0.1971, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **38.3888, 0.2069, 0.2198**, and if you desaturate by 10%, it is **51.6399, 0.2352, 0.2569**.

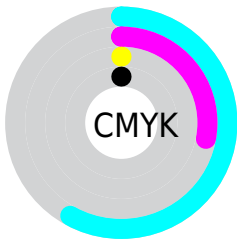
Distribution



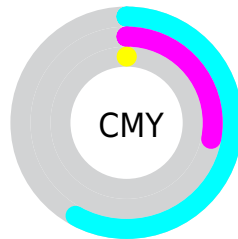
- Red (42%)
- Green (72%)
- Blue (100%)



- Red (42%)
- Yellow (62%)
- Blue (100%)



- Cyan (58%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5652, 0.2203, 0.2386 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 44.5652, 0.2203, 0.2386 by changing the saturation by 10% instead.


 44.5652, 0.2203,
0.2386


 44.5652, 0.2203,
0.2386


365.0097, 0.2647,
0.2825

 31.1151, 0.2100,
0.2283


 82.0676, 0.2359,
0.2541

 20.6865, 0.1972,
0.2155


 106.8886, 0.2419,
0.2601

 12.8950, 0.1812,
0.1992


 136.2687, 0.2471,
0.2652

 7.3563, 0.1606,
0.1781

170.5924, 0.2516,
0.2696

 3.6859, 0.1335,
0.1502

210.2439, 0.2555,
0.2735

 1.4995, 0.0980,
0.1129

255.6077, 0.2589,

 0.2884, 0.0303,

0.2769

0.0474

307.0682, 0.2620,
0.2799

0.0000, 0.0000,
0.0000

44.5652, 0.2203,
0.2386

44.5652, 0.2203,
0.2386

38.3888, 0.2069,
0.2198

51.6399, 0.2352,
0.2569

33.0582, 0.1954,
0.2010

59.6617, 0.2511,
0.2743

28.5117, 0.1862,
0.1826

68.6739, 0.2673,
0.2905

24.6671, 0.1794,
0.1651

78.7170, 0.2837,
0.3053

24.0968, 0.1784,
0.1623

89.8289, 0.2997,
0.3188

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.



44.5652, 0.2055, 0.2634



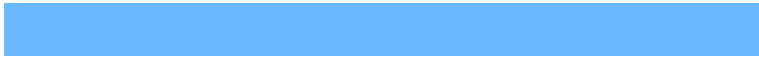
44.5652, 0.2203, 0.2386



44.5652, 0.2581, 0.2365

Triad

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



44.5652, 0.2203, 0.2386



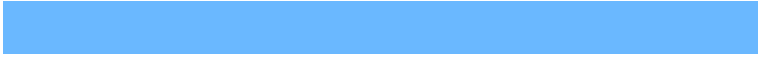
44.5652, 0.4204, 0.3316



44.5652, 0.3023, 0.4237

Complementary

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



44.5652, 0.2203, 0.2386



53.7974, 0.4437, 0.4006

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.



44.5652, 0.3610, 0.4389



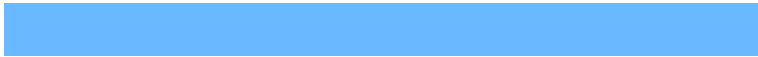
44.5652, 0.2203, 0.2386



44.5652, 0.4325, 0.3780

Square

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



44.5652, 0.2203, 0.2386



44.5652, 0.3752, 0.2880



44.5652, 0.4094, 0.4185



44.5652, 0.2493, 0.3731

Rectangle

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



44.5652, 0.2203, 0.2386



44.5652, 0.2940, 0.2464



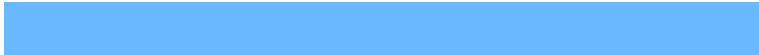
44.5652, 0.4094, 0.4185



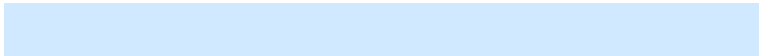
44.5652, 0.3220, 0.4333

Sweetspot

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



44.5648, 0.2203, 0.2386



79.1282, 0.2843, 0.3059



77.7094, 0.2743, 0.4306



16.2853, 0.2796, 0.3017



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.



44.5648, 0.2203, 0.2386



37.4739, 0.2049, 0.2168



21.6758, 0.1999, 0.1459



18.9500, 0.2979, 0.3174



12.8924, 0.1792, 0.1651



1.4742, 0.1847, 0.1851

Inverse Universe

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



35.0508, 0.3952, 0.2516



29.3950, 0.4208, 0.2421



90.6971, 0.3986, 0.4632



18.1458, 0.3212, 0.3166



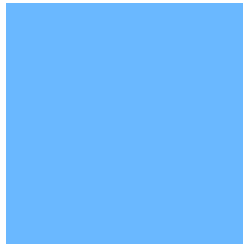
12.0295, 0.4867, 0.2455



1.1934, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 44.5652, 0.2203, 0.2386 looks on a white background.

Color Contrast Check

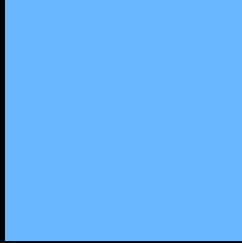
Large Text (above 18pt) WCAG AA × Fail

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 44.5652, 0.2203, 0.2386 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

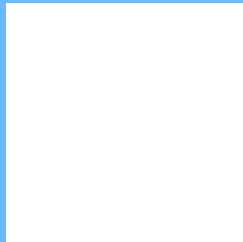
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5652, 0.2203, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 44.5652, 0.2203, 0.2386.



This preview shows how white text looks on a background with the Yxy color 44.5652, 0.2203, 0.2386.

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

44.5652, 0.2203, 0.2386

Protanopia

44.4058, 0.2473, 0.2398

Deuteranopia

44.3817, 0.2384, 0.2329



Tritanopia

44.7202, 0.2362, 0.3071

Trichromacy



Original Color

44.5652, 0.2203, 0.2386

Protanomaly

44.1242, 0.2356, 0.2382

Deuteranomaly

44.2855, 0.2307, 0.2347

Tritanomaly

44.6428, 0.2300, 0.2804

Monochromacy



Original Color

44.5652, 0.2203, 0.2386

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5532, 0.2702, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5652, 0.2203, 0.2386 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(106, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 184, 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(106, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5652, 0.2203, 0.2386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

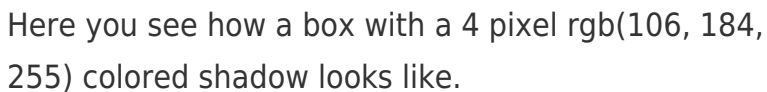
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 184, 255) }
```

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

```
.border{ border-color:rgb(106, 184, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5652, 0.2203, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 184, 255) }
```

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

```
.background{ background-color: rgb(106,  
184, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor