

Converting Colors

$Y_{xy}(44.4851, 0.2238, 0.2505)$

Have a look what the booklet for
Yxy(44.4851, 0.2238, 0.2505)
contains.

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Color

Yxy(44.7147, 0.2238, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	68BAF6
RGB	104, 186, 246
RGB Percent	41%, 73%, 96%
CMY	0.5916, 0.2707, 0.0352
CMYK	0.58, 0.24, 0.00, 0.04
HSL	205°, 89%, 69%
HSV	205°, 58%, 96%
XYZ	39.9168, 44.7147, 93.7279
YIQ	168.3220, -68.1320, 1.2760

Conversions

Conversions Part 2

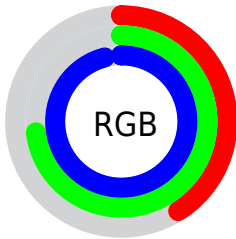
Format	Color
RYB	104, 156, 246
Decimal	6863606
CIELab	72.70, -7.91, -37.32
CIELCh	73, 38.145, 258.034
Yxy	44.7147, 0.2238, 0.2507
Android (android.graphics.Color)	4285053686 (0xFF68BAF6)
YUV	168.3220, 38.2953, -56.4104
Hunter-Lab	66.8691, -10.4670, -36.2963

Details

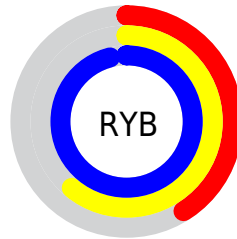
The Yxy color **44.7147, 0.2238, 0.2507** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2172, 0.4469, 0.3920**, and the grayscale version is **39.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6168, 0.2604, 0.3144**, and **20.7405, 0.2014, 0.2303** is the 20% darker color. If you saturate the color by 10%, you get **39.2225, 0.2111, 0.2342**, and if you desaturate by 10%, it is **50.9593, 0.2380, 0.2667**.

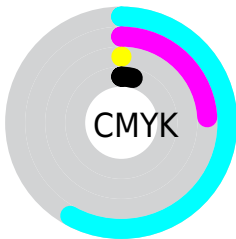
Distribution



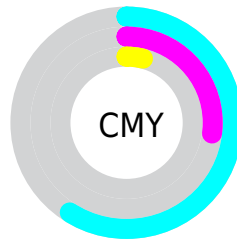
- Red (41%)
- Green (73%)
- Blue (96%)



- Red (41%)
- Yellow (61%)
- Blue (96%)



- Cyan (58%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)



- Cyan (59%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7147, 0.2238, 0.2507 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 44.7147, 0.2238, 0.2507 by changing the saturation by 10% instead.

■ 44.7147, 0.2238,
0.2507

■ 44.7147, 0.2238,
0.2507

■ 365.6169, 0.2667,
0.2894

■ 31.2328, 0.2138,
0.2414

■ 82.2921, 0.2389,
0.2645

■ 20.7762, 0.2013,
0.2298

■ 107.1564, 0.2447,
0.2698

■ 12.9605, 0.1856,
0.2148

■ 136.5836, 0.2497,
0.2743

■ 7.4013, 0.1652,
0.1950

■ 170.9581, 0.2540,
0.2781

■ 3.7143, 0.1381,
0.1681

■ 210.6642, 0.2578,
0.2815

■ 1.5151, 0.1018,
0.1306

■ 256.0865, 0.2611,

■ 0.2993, 0.0184,

0.2844

0.0602

307.6092, 0.2640,
0.2870

0.0000, 0.0000,
0.0000

44.7147, 0.2238,
0.2507

44.7147, 0.2238,
0.2507

39.2225, 0.2111,
0.2342

50.9593, 0.2380,
0.2667

34.4325, 0.2002,
0.2175

57.9919, 0.2533,
0.2819

30.2941, 0.1915,
0.2010

65.8509, 0.2691,
0.2960


26.7398, 0.1851,
0.1851

74.5705, 0.2850,
0.3090

25.9717, 0.1838,
0.1815

84.1824, 0.3009,
0.3208

 94.7168, 0.3163,
0.3314

 99.4348, 0.3179,
0.3376

Harmonies

Analogous

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



44.7147, 0.2154, 0.2788



44.7147, 0.2238, 0.2507



44.7147, 0.2538, 0.2437

Triad

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



44.7147, 0.2238, 0.2507



44.7147, 0.4020, 0.3223



44.7147, 0.3164, 0.4194

Complementary

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



44.7147, 0.2238, 0.2507



47.2172, 0.4469, 0.3920

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.



44.7147, 0.3684, 0.4258



44.7147, 0.2238, 0.2507



44.7147, 0.4207, 0.3647

Square

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



44.7147, 0.2238, 0.2507



44.7147, 0.3567, 0.2838



44.7147, 0.4073, 0.4030



44.7147, 0.2659, 0.3807

Rectangle

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



44.7147, 0.2238, 0.2507



44.7147, 0.2841, 0.2499



44.7147, 0.4073, 0.4030



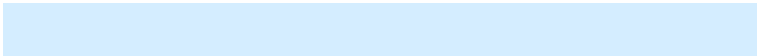
44.7147, 0.3343, 0.4254

Sweetspot

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



44.7163, 0.2238, 0.2507



81.5334, 0.2860, 0.3098



71.5274, 0.2780, 0.4387



17.0249, 0.2828, 0.3073



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.



44.7163, 0.2238, 0.2507



41.7445, 0.2093, 0.2317



22.0921, 0.2034, 0.1571



17.5143, 0.2980, 0.3187



14.1445, 0.1845, 0.1841



1.4465, 0.1900, 0.2039

Inverse Universe

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



33.0716, 0.3840, 0.2450



30.1764, 0.4055, 0.2338



79.5546, 0.4015, 0.4563



16.6428, 0.3203, 0.3154



11.5273, 0.4637, 0.2328



1.0337, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 44.7147, 0.2238, 0.2507 looks on a white background.

Color Contrast Check

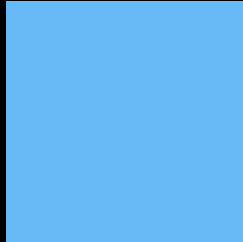
Large Text (above 18pt) WCAG AA × Fail

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 44.7147, 0.2238, 0.2507 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

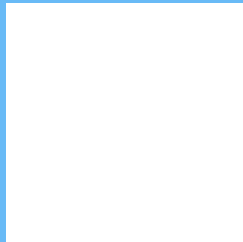
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7147, 0.2238, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 44.7147, 0.2238, 0.2507.

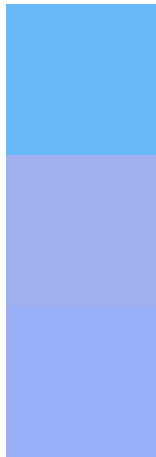


This preview shows how white text looks on a background with the Yxy color 44.7147, 0.2238, 0.2507.

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

44.7147, 0.2238, 0.2507

Protanopia

44.3066, 0.2563, 0.2509

Deuteranopia

44.2096, 0.2460, 0.2395



Tritanopia

44.8178, 0.2370, 0.3072

Trichromacy



Original Color

44.7147, 0.2238, 0.2507

Protanomaly

44.1665, 0.2426, 0.2503

Deuteranomaly

44.1065, 0.2367, 0.2433

Tritanomaly

44.5337, 0.2319, 0.2843

Monochromacy



Original Color

44.7147, 0.2238, 0.2507

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6652, 0.2723, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7147, 0.2238, 0.2507 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(104, 186, 246)` looks like.

```
.text, #text, p{  
    color:rgb(104, 186, 246)  
}
```

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(104, 186, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 186, 246) }
```

Border

The CSS property to change the border of an element to Yxy 44.7147, 0.2238, 0.2507 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(104, 186, 246) }
```

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

```
.border{ border-color:rgb(104, 186, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 186, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 186, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 186, 246); box-shadow:4px 4px 4px 4px rgb(104, 186, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7147, 0.2238, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 186, 246) }
```

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

```
.background{ background-color: rgb(104,  
186, 246) }
```

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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