

Converting Colors

$Y_{xy}(45.0800, 0.2262, 0.2504)$

Have a look what the booklet for
Yxy(45.0800, 0.2262, 0.2504)
contains.

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Color

Yxy(45.1482, 0.2259, 0.2501)

Conversions

Conversions Part 1

Format	Color
Hex	6EBAF7
RGB	110, 186, 247
RGB Percent	43%, 73%, 97%
CMY	0.5687, 0.2706, 0.0312
CMYK	0.55, 0.25, 0.00, 0.03
HSL	207°, 90%, 70%
HSV	207°, 55%, 97%
XYZ	40.7796, 45.1482, 94.5928
YIQ	170.2300, -64.8770, 2.8590

Conversions

Conversions Part 2

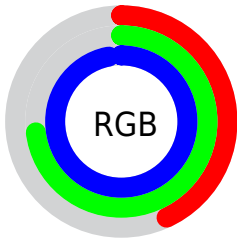
Format	Color
R _Y B	110, 159, 247
Decimal	7256823
CIE Lab	72.99, -6.46, -37.41
CIE LCh	73, 37.961, 260.199
Yxy	45.1482, 0.2259, 0.2501
Android (android.graphics.Color)	4285446903 (0xFF6EBAF7)
YUV	170.2300, 37.8476, -52.8217
Hunter-Lab	67.1924, -9.2537, -36.4332

Details

The Yxy color **45.1482, 0.2259, 0.2501** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.0371, 0.4381, 0.3932**, and the grayscale version is **40.1494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2703, 0.2633, 0.3145**, and **21.0064, 0.2042, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **39.3221, 0.2125, 0.2328**, and if you desaturate by 10%, it is **51.7760, 0.2407, 0.2668**.

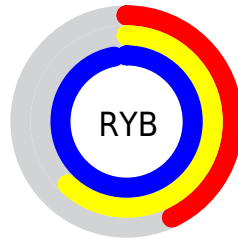
Distribution



Red (43%)

Green (73%)

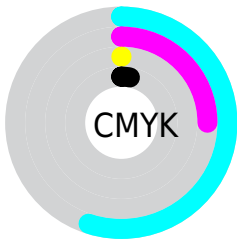
Blue (97%)



Red (43%)

Yellow (62%)

Blue (97%)

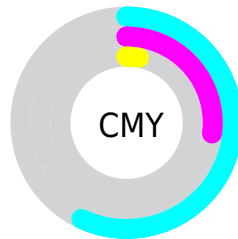


Cyan (55%)

Magenta (25%)

Yellow (0%)

Black (3%)



Cyan (57%)

Magenta (27%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1482, 0.2259, 0.2501 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 45.1482, 0.2259, 0.2501 by changing the saturation by 10% instead.

■ 45.1482, 0.2259,
0.2501

■ 45.1482, 0.2259,
0.2501

367.3734, 0.2677,
0.2889

■ 31.5742, 0.2161,
0.2408

■ 82.9428, 0.2406,
0.2639

■ 21.0365, 0.2040,
0.2292

■ 107.9321, 0.2463,
0.2692

■ 13.1507, 0.1886,
0.2143

■ 137.4953, 0.2512,
0.2737

■ 7.5324, 0.1686,
0.1947

172.0168, 0.2554,
0.2776

■ 3.7972, 0.1420,
0.1681

211.8809, 0.2591,
0.2810

■ 1.5608, 0.1062,
0.1311

257.4722, 0.2623,

■ 0.3309, 0.0302,

0.2839

0.0638

309.1749, 0.2652,
0.2866

0.0000, 0.0000,
0.0000

45.1482, 0.2259,
0.2501

45.1482, 0.2259,
0.2501

39.3221, 0.2125,
0.2328

51.7760, 0.2407,
0.2668

34.2470, 0.2008,
0.2152

59.2417, 0.2563,
0.2826

29.8724, 0.1914,
0.1978

67.5847, 0.2724,
0.2973

26.1353, 0.1842,
0.1810

76.8399, 0.2885,
0.3108

24.6174, 0.1816,
0.1736

87.0400, 0.3043,
0.3229

97.6044, 0.3175,
0.3338

99.4979, 0.3173,
0.3366

Harmonies

Analogous

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



45.1482, 0.2160, 0.2765



45.1482, 0.2259, 0.2501



45.1482, 0.2571, 0.2446

Triad

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



45.1482, 0.2259, 0.2501



45.1482, 0.4037, 0.3254



45.1482, 0.3125, 0.4169

Complementary

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



45.1482, 0.2259, 0.2501



50.0371, 0.4381, 0.3932

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.



45.1482, 0.3645, 0.4257



45.1482, 0.2259, 0.2501



45.1482, 0.4199, 0.3675

Square

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



45.1482, 0.2259, 0.2501



45.1482, 0.3602, 0.2866



45.1482, 0.4046, 0.4048



45.1482, 0.2631, 0.3766

Rectangle

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



45.1482, 0.2259, 0.2501



45.1482, 0.2880, 0.2516



45.1482, 0.4046, 0.4048



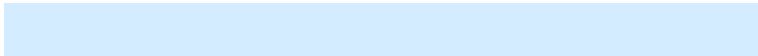
45.1482, 0.3303, 0.4236

Sweetspot

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



45.1498, 0.2259, 0.2501



80.9808, 0.2860, 0.3088



72.7381, 0.2776, 0.4306



16.8943, 0.2828, 0.3061



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.



45.1498, 0.2259, 0.2501



41.3188, 0.2104, 0.2299



23.2513, 0.2071, 0.1614



17.4511, 0.2980, 0.3182



13.3026, 0.1823, 0.1763



1.3741, 0.1881, 0.1971

Inverse Universe

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



34.4729, 0.3838, 0.2505



30.8753, 0.4067, 0.2389



81.9992, 0.3974, 0.4542



16.6364, 0.3206, 0.3159



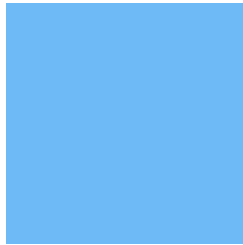
11.4423, 0.4729, 0.2379



1.0263, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 45.1482, 0.2259, 0.2501 looks on a white background.

Color Contrast Check

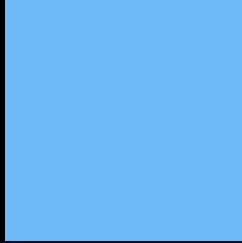
Large Text (above 18pt) WCAG AA × Fail

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 45.1482, 0.2259, 0.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

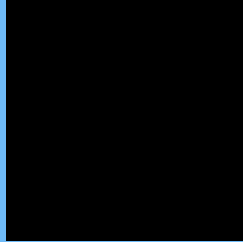
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

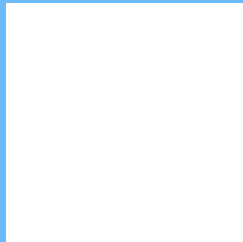
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1482, 0.2259, 0.2501

Background



This preview shows how black text looks on a background with the Yxy color 45.1482, 0.2259, 0.2501.

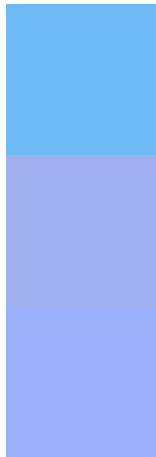


This preview shows how white text looks on a background with the Yxy color 45.1482, 0.2259, 0.2501.

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

45.1482, 0.2259, 0.2501

Protanopia

44.7562, 0.2558, 0.2511

Deuteranopia

44.7602, 0.2463, 0.2399



Tritanopia

45.1763, 0.2391, 0.3060

Trichromacy



Original Color

45.1482, 0.2259, 0.2501

Protanomaly

44.8041, 0.2435, 0.2508

Deuteranomaly

44.8231, 0.2381, 0.2440

Tritanomaly

44.8639, 0.2335, 0.2833

Monochromacy



Original Color

45.1482, 0.2259, 0.2501

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.4238, 0.2733, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1482, 0.2259, 0.2501 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(110, 186, 247)` looks like.

```
.text, #text, p{  
    color:rgb(110, 186, 247)  
}
```

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(110, 186, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 186, 247) }
```

Border

The CSS property to change the border of an element to Yxy 45.1482, 0.2259, 0.2501 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(110, 186, 247) }
```

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

```
.border{ border-color:rgb(110, 186, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 186, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 186, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 186, 247);  
box-shadow:4px 4px 4px 4px rgb(110, 186,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1482, 0.2259, 0.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 186, 247) }
```

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

```
.background{ background-color: rgb(110,  
186, 247) }
```

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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