

Converting Colors

$Y_{xy}(43.4779, 0.2286, 0.2543)$

Have a look what the booklet for
Yxy(43.4779, 0.2286, 0.2543)
contains.

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Color

Yxy(43.4732, 0.2282, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	6EB7F0
RGB	110, 183, 240
RGB Percent	43%, 72%, 94%
CMY	0.5682, 0.2824, 0.0588
CMYK	0.54, 0.24, 0.00, 0.06
HSL	206°, 81%, 69%
HSV	206°, 54%, 94%
XYZ	39.1036, 43.4732, 88.7799
YIQ	167.6710, -61.8050, 2.2510

Conversions

Conversions Part 2

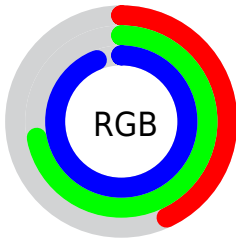
Format	Color
R _Y B	110, 157, 240
Decimal	7256048
CIE Lab	71.87, -6.90, -35.34
CIE LCh	72, 36.003, 258.956
Yxy	43.4732, 0.2282, 0.2537
Android (android.graphics.Color)	4285446128 (0xFF6EB7F0)
YUV	167.6710, 35.6582, -50.5775
Hunter-Lab	65.9342, -9.5219, -33.6796

Details

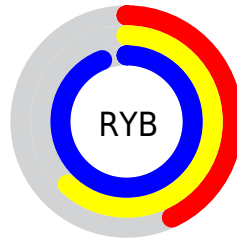
The Yxy color **43.4732, 0.2282, 0.2537** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.3466, 0.4344, 0.3910**, and the grayscale version is **38.8461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3880, 0.2624, 0.3111**, and **19.9838, 0.2061, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **37.9512, 0.2147, 0.2367**, and if you desaturate by 10%, it is **49.7408, 0.2430, 0.2700**.

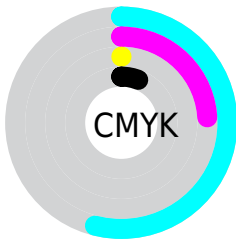
Distribution



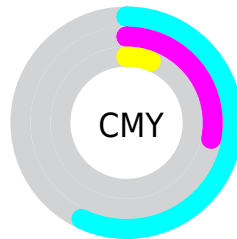
- Red (43%)
- Green (72%)
- Blue (94%)



- Red (43%)
- Yellow (62%)
- Blue (94%)



- Cyan (54%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (57%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4732, 0.2282, 0.2537 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 43.4732, 0.2282, 0.2537 by changing the saturation by 10% instead.

■ 43.4732, 0.2282,
0.2537

■ 43.4732, 0.2282,
0.2537

■ 360.5542, 0.2693,
0.2911

■ 30.2566, 0.2185,
0.2446

■ 80.4245, 0.2428,
0.2671

■ 20.0334, 0.2064,
0.2332

■ 104.9279, 0.2483,
0.2722

■ 12.4193, 0.1909,
0.2185

■ 133.9623, 0.2531,
0.2765

■ 7.0299, 0.1707,
0.1988

■ 167.9122, 0.2572,
0.2803

■ 3.4808, 0.1435,
0.1718

■ 207.1620, 0.2608,
0.2835

■ 1.3876, 0.1063,
0.1336

■ 252.0960, 0.2640,

■ 0.2076, 0.0069,

0.2864

0.0497

303.0986, 0.2668,
0.2889

0.0000, 0.0000,
0.0000

43.4732, 0.2282,
0.2537

43.4732, 0.2282,
0.2537

37.9512, 0.2147,
0.2367

49.7408, 0.2430,
0.2700

33.1285, 0.2029,
0.2194

56.7868, 0.2587,
0.2854

28.9593, 0.1932,
0.2022

64.6471, 0.2747,
0.2997

25.3873, 0.1858,
0.1856

73.3538, 0.2907,
0.3127

23.5202, 0.1823,
0.1761

82.9369, 0.3064,
0.3245

 93.4247, 0.3216,
0.3350

 99.0722, 0.3214,
0.3434

Harmonies

Analogous

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



43.4732, 0.2195, 0.2802



43.4732, 0.2282, 0.2537



43.4732, 0.2576, 0.2474

Triad

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



43.4732, 0.2282, 0.2537



43.4732, 0.3987, 0.3240



43.4732, 0.3149, 0.4141

Complementary

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



43.4732, 0.2282, 0.2537



47.3466, 0.4344, 0.3910

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.



43.4732, 0.3647, 0.4215



43.4732, 0.2282, 0.2537



43.4732, 0.4157, 0.3647

Square

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



43.4732, 0.2282, 0.2537



43.4732, 0.3563, 0.2868



43.4732, 0.4023, 0.4009



43.4732, 0.2668, 0.3766

Rectangle

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



43.4732, 0.2282, 0.2537



43.4732, 0.2870, 0.2537



43.4732, 0.4023, 0.4009



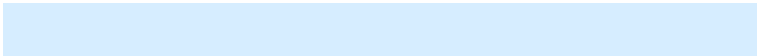
43.4732, 0.3320, 0.4202

Sweetspot

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



43.4748, 0.2282, 0.2537



82.1653, 0.2876, 0.3103



68.4198, 0.2782, 0.4274



17.1362, 0.2843, 0.3077



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.



43.4748, 0.2282, 0.2537



42.9066, 0.2133, 0.2348



22.7539, 0.2101, 0.1663



16.6999, 0.2980, 0.3184



13.1432, 0.1830, 0.1787



1.2912, 0.1890, 0.2002

Inverse Universe

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



33.1224, 0.3801, 0.2514



31.8334, 0.4012, 0.2396



77.0075, 0.3954, 0.4516



15.9074, 0.3205, 0.3158



11.1202, 0.4701, 0.2363



0.9451, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 43.4732, 0.2282, 0.2537 looks on a white background.

Color Contrast Check

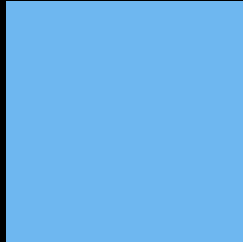
Large Text (above 18pt) WCAG AA × Fail

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 43.4732, 0.2282, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

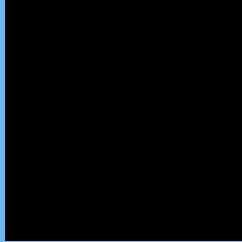
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

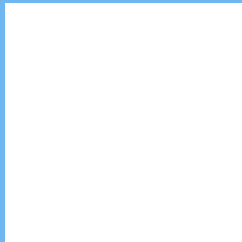
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4732, 0.2282, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 43.4732, 0.2282, 0.2537.



This preview shows how white text looks on a background with the Yxy color 43.4732, 0.2282, 0.2537.

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

43.4732, 0.2282, 0.2537

Protanopia

43.1413, 0.2582, 0.2535

Deuteranopia

43.1680, 0.2496, 0.2432



Tritanopia

43.3444, 0.2408, 0.3056

Trichromacy



Original Color

43.4732, 0.2282, 0.2537

Protanomaly

43.1631, 0.2454, 0.2532

Deuteranomaly

43.1984, 0.2410, 0.2474

Tritanomaly

43.4274, 0.2360, 0.2854

Monochromacy



Original Color

43.4732, 0.2282, 0.2537

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9852, 0.2750, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4732, 0.2282, 0.2537 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, 183, 240)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 240)  
}
```

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, 183, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 240) }
```

Border

The CSS property to change the border of an element to Yxy 43.4732, 0.2282, 0.2537 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, 183, 240) }
```

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

```
.border{ border-color:rgb(110, 183, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 183, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 240);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4732, 0.2282, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 240) }
```

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

```
.background{ background-color: rgb(110,  
183, 240) }
```

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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