

Converting Colors

$Y_{xy}(44.1561, 0.2507, 0.2733)$

Have a look what the booklet for
Yxy(44.1561, 0.2507, 0.2733)
contains.

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Color

Yxy(44.1561, 0.2507, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	89B6E0
RGB	137, 182, 224
RGB Percent	54%, 71%, 88%
CMY	0.4625, 0.2863, 0.1216
CMYK	0.39, 0.19, 0.00, 0.12
HSL	209°, 58%, 71%
HSV	209°, 39%, 88%
XYZ	40.5047, 44.1561, 76.9056
YIQ	173.3330, -40.3020, 3.5220

Conversions

Conversions Part 2

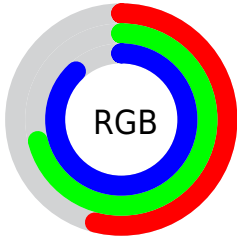
Format	Color
RYB	137, 167, 224
Decimal	9025248
CIELab	72.33, -4.48, -25.82
CIELCh	72, 26.201, 260.153
Yxy	44.1561, 0.2507, 0.2733
Android (android.graphics.Color)	4287215328 (0xFF89B6E0)
YUV	173.3330, 24.9788, -31.8640
Hunter-Lab	66.4501, -7.4827, -22.1039

Details

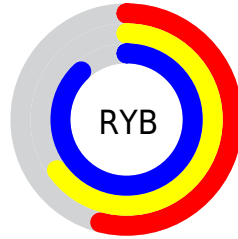
The Yxy color **44.1561, 0.2507, 0.2733** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.9177, 0.3896, 0.3784**, and the grayscale version is **41.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7065, 0.2752, 0.3106**, and **20.4041, 0.2338, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **38.1939, 0.2349, 0.2558**, and if you desaturate by 10%, it is **50.8573, 0.2669, 0.2896**.

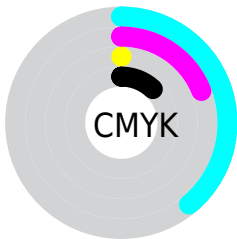
Distribution



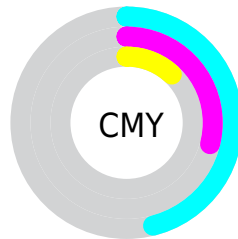
- Red (54%)
- Green (71%)
- Blue (88%)



- Red (54%)
- Yellow (65%)
- Blue (88%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)



- Cyan (46%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1561, 0.2507, 0.2733 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 44.1561, 0.2507, 0.2733 by changing the saturation by 10% instead.

■ 44.1561, 0.2507,
0.2733

■ 44.1561, 0.2507,
0.2733

■ 363.3449, 0.2812,
0.3011

■ 30.7932, 0.2433,
0.2664

■ 81.4526, 0.2617,
0.2834

■ 20.4415, 0.2339,
0.2577

■ 106.1550, 0.2658,
0.2872

■ 12.7164, 0.2217,
0.2462

■ 135.4061, 0.2694,
0.2904

■ 7.2335, 0.2053,
0.2306

■ 169.5902, 0.2724,
0.2931

■ 3.6086, 0.1822,
0.2082

■ 209.0917, 0.2750,
0.2955

■ 1.4571, 0.1481,
0.1743

■ 254.2951, 0.2774,

■ 0.2582, 0.0458,

0.2976

0.0869

305.5847, 0.2794,
0.2995

0.0000, 0.0000,
0.0000

44.1561, 0.2507,
0.2733

44.1561, 0.2507,
0.2733

38.1939, 0.2349,
0.2558

50.8573, 0.2669,
0.2896

32.9333, 0.2200,
0.2374

58.3221, 0.2832,
0.3046

28.3409, 0.2066,
0.2185

66.5803, 0.2991,
0.3182

24.3773, 0.1951,
0.1995

75.6580, 0.3145,
0.3304

20.9974, 0.1859,
0.1810

85.5804, 0.3292,
0.3412

■ 18.1362, 0.1789,
0.1634

■ 93.1161, 0.3319,
0.3515

■ 17.8217, 0.1782,
0.1614

■ 98.1616, 0.3310,
0.3592

Harmonies

Analogous

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



44.1561, 0.2435, 0.2933



44.1561, 0.2507, 0.2733



44.1561, 0.2737, 0.2684

Triad

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



44.1561, 0.2507, 0.2733



44.1561, 0.3756, 0.3275



44.1561, 0.3137, 0.3884

Complementary

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



44.1561, 0.2507, 0.2733



49.9177, 0.3896, 0.3784

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.



44.1561, 0.3501, 0.3958



44.1561, 0.2507, 0.2733



44.1561, 0.3872, 0.3580

Square

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



44.1561, 0.2507, 0.2733



44.1561, 0.3460, 0.2990



44.1561, 0.3774, 0.3834



44.1561, 0.2784, 0.3616

Rectangle

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



44.1561, 0.2507, 0.2733



44.1561, 0.2958, 0.2732



44.1561, 0.3774, 0.3834



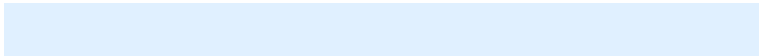
44.1561, 0.3262, 0.3933

Sweetspot

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



44.1578, 0.2507, 0.2733



85.5791, 0.2940, 0.3139



61.8316, 0.2841, 0.3906



18.0022, 0.2919, 0.3121



0.0000, 0.0000, 0.0000



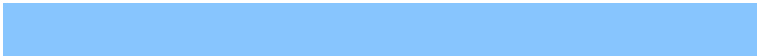
21.4041, 0.3127, 0.3290

Same Dimension

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



44.1578, 0.2507, 0.2733



52.3606, 0.2372, 0.2584



29.4470, 0.2419, 0.2149



14.4093, 0.2981, 0.3174



10.6055, 0.1789, 0.1640



0.9142, 0.1865, 0.1912

Inverse Universe

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



37.1307, 0.3588, 0.2768



42.6656, 0.3736, 0.2656



69.4191, 0.3718, 0.4222



13.8183, 0.3211, 0.3169



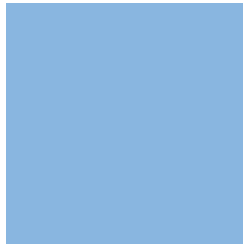
9.9787, 0.4881, 0.2462



0.7097, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 44.1561, 0.2507, 0.2733 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 44.1561, 0.2507, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

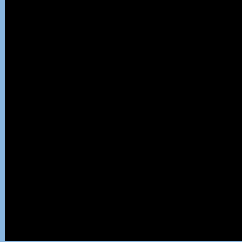
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

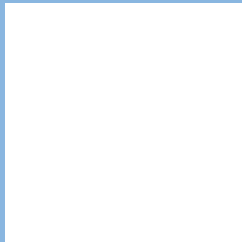
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1561, 0.2507, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 44.1561, 0.2507, 0.2733.



This preview shows how white text looks on a background with the Yxy color 44.1561, 0.2507, 0.2733.

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

44.1561, 0.2507, 0.2733

Protanopia

43.8814, 0.2725, 0.2727

Deuteranopia

44.0879, 0.2692, 0.2637



Tritanopia

44.1602, 0.2612, 0.3079

Trichromacy



Original Color

44.1561, 0.2507, 0.2733

Protanomaly

44.0298, 0.2636, 0.2732

Deuteranomaly

44.0486, 0.2624, 0.2674

Tritanomaly

44.2879, 0.2575, 0.2959

Monochromacy



Original Color

44.1561, 0.2507, 0.2733

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.3300, 0.2869, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1561, 0.2507, 0.2733 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(137, 182, 224)` looks like.

```
.text, #text, p{  
    color:rgb(137, 182, 224)  
}
```

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(137, 182, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 182, 224) }
```

Border

The CSS property to change the border of an element to Yxy 44.1561, 0.2507, 0.2733 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(137, 182, 224) }
```

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

```
.border{ border-color:rgb(137, 182, 224) }
```

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

Here you see how a box with a 4 pixel rgb(137, 182, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 182, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 182, 224);  
box-shadow:4px 4px 4px 4px rgb(137, 182,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1561, 0.2507, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 182, 224) }
```

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

```
.background{ background-color: rgb(137,  
182, 224) }
```

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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