

Converting Colors

$Y_{xy}(44.8554, 0.2200, 0.2642)$

Have a look what the booklet for
Yxy(44.8554, 0.2200, 0.2642)
contains.

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Color

Yxy(44.7938, 0.2200, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	52BEEE
RGB	82, 190, 238
RGB Percent	32%, 75%, 93%
CMY	0.6781, 0.2549, 0.0667
CMYK	0.66, 0.20, 0.00, 0.07
HSL	198°, 82%, 63%
HSV	198°, 66%, 93%
XYZ	37.3282, 44.7938, 87.5515
YIQ	163.1800, -79.7760, -7.9680

Conversions

Conversions Part 2

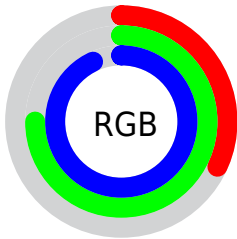
Format	Color
R _Y B	82, 146, 238
Decimal	5422830
CIE Lab	72.76, -16.41, -32.95
CIE LCh	73, 36.812, 243.527
Yxy	44.7938, 0.2200, 0.2640
Android (android.graphics.Color)	4283612910 (0xFF52BEEE)
YUV	163.1800, 36.8863, -71.1949
Hunter-Lab	66.9282, -17.5686, -30.7100

Details

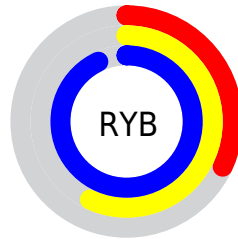
The Yxy color **44.7938, 0.2200, 0.2640** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **34.7673, 0.4872, 0.3784**, and the grayscale version is **36.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2425, 0.2528, 0.3186**, and **21.2687, 0.2020, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **40.8122, 0.2105, 0.2522**, and if you desaturate by 10%, it is **49.3079, 0.2314, 0.2756**.

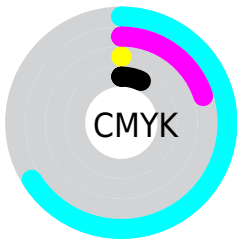
Distribution



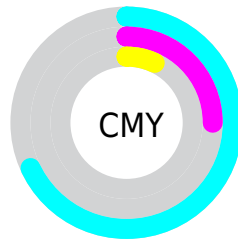
- Red (32%)
- Green (75%)
- Blue (93%)



- Red (32%)
- Yellow (57%)
- Blue (93%)



- Cyan (66%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)





- Cyan (68%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7938, 0.2200, 0.2640 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 44.7938, 0.2200, 0.2640 by changing the saturation by 10% instead.


 44.7938, 0.2200,
0.2640

 44.7938, 0.2200,
0.2640


365.9378, 0.2646,
0.2969


 31.2950, 0.2096,
0.2558


 82.4109, 0.2357,
0.2760


 20.8236, 0.1967,
0.2455


 107.2980, 0.2417,
0.2805

 12.9951, 0.1803,
0.2319


 136.7501, 0.2469,
0.2843

 7.4252, 0.1591,
0.2136

 171.1514, 0.2514,
0.2875

 3.7294, 0.1310,
0.1879

210.8865, 0.2553,
0.2904

 1.5234, 0.0934,
0.1505

256.3396, 0.2588,

 0.3051, 0.0000,

0.2928

0.0745

307.8953, 0.2618,
0.2950

0.0000, 0.0000,
0.0000

44.7938, 0.2200,
0.2640

44.7938, 0.2200,
0.2640

40.8122, 0.2105,
0.2522

49.3079, 0.2314,
0.2756

37.3160, 0.2029,
0.2404

54.3865, 0.2443,
0.2868

34.2549, 0.1975,
0.2287


60.0637, 0.2584,
0.2974


32.9860, 0.1954,
0.2236


66.3694, 0.2733,
0.3073

73.3309, 0.2887,
0.3164

 80.9738, 0.3042,
0.3248

 89.3221, 0.3196,
0.3323

 94.9334, 0.3232,
0.3393

 98.9519, 0.3226,
0.3454

Harmonies

Analogous

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



44.7938, 0.2226, 0.3010



44.7938, 0.2200, 0.2640



44.7938, 0.2392, 0.2473

Triad

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



44.7938, 0.2200, 0.2640



44.7938, 0.3801, 0.3037



44.7938, 0.3414, 0.4232

Complementary

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



44.7938, 0.2200, 0.2640



34.7673, 0.4872, 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.



44.7938, 0.3872, 0.4147



44.7938, 0.2200, 0.2640



44.7938, 0.4120, 0.3439

Square

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



44.7938, 0.2200, 0.2640



44.7938, 0.3295, 0.2706



44.7938, 0.4140, 0.3840



44.7938, 0.2901, 0.4000

Rectangle

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



44.7938, 0.2200, 0.2640



44.7938, 0.2632, 0.2473



44.7938, 0.4140, 0.3840



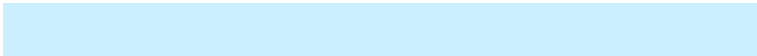
44.7938, 0.3580, 0.4236

Sweetspot

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



44.7954, 0.2200, 0.2640



81.9679, 0.2816, 0.3124



64.5163, 0.2843, 0.4826



17.0574, 0.2773, 0.3098



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.



44.7954, 0.2200, 0.2640



46.1302, 0.2074, 0.2477



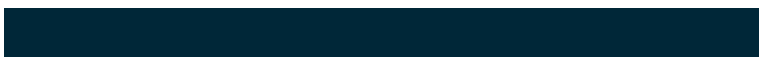
19.8387, 0.1940, 0.1549



17.0601, 0.2981, 0.3216



18.6460, 0.1960, 0.2254



1.7266, 0.2002, 0.2407

Inverse Universe

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



27.9387, 0.3743, 0.2198



27.7067, 0.3924, 0.2084



63.3135, 0.4234, 0.4540



15.9437, 0.3185, 0.3128



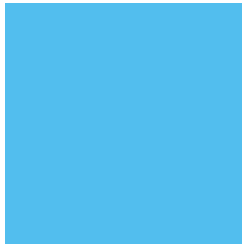
11.6757, 0.4175, 0.2074



0.9890, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 44.7938, 0.2200, 0.2640 looks on a white background.

Color Contrast Check

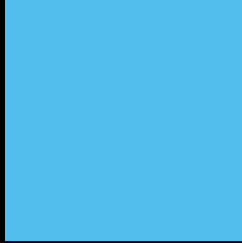
Large Text (above 18pt) WCAG AA × Fail

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 44.7938, 0.2200, 0.2640 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

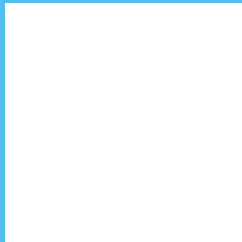
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7938, 0.2200, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 44.7938, 0.2200, 0.2640.

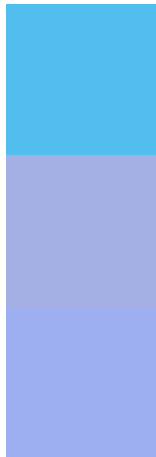


This preview shows how white text looks on a background with the Yxy color 44.7938, 0.2200, 0.2640.

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

44.7938, 0.2200, 0.2640

Protanopia

44.0985, 0.2658, 0.2634

Deuteranopia

44.2799, 0.2532, 0.2474



Tritanopia

44.9267, 0.2284, 0.3055

Trichromacy



Original Color

44.7938, 0.2200, 0.2640

Protanomaly

43.4804, 0.2446, 0.2621

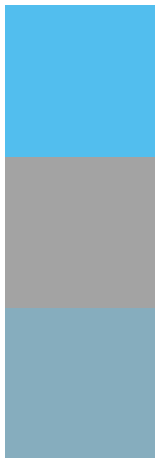
Deuteranomaly

43.6796, 0.2376, 0.2516

Tritanomaly

44.7381, 0.2249, 0.2891

Monochromacy



Original Color

44.7938, 0.2200, 0.2640

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.6732, 0.2680, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7938, 0.2200, 0.2640 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(82, 190, 238)` looks like.

```
.text, #text, p{  
    color:rgb(82, 190, 238)  
}
```

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(82, 190, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 190, 238) }
```

Border

The CSS property to change the border of an element to Yxy 44.7938, 0.2200, 0.2640 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(82, 190, 238) }
```

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

```
.border{ border-color:rgb(82, 190, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 190, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 190, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 190, 238);  
box-shadow:4px 4px 4px 4px rgb(82, 190,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7938, 0.2200, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 190, 238) }
```

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

```
.background{ background-color: rgb(82, 190,  
238) }
```

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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