

Converting Colors

$Y_{xy}(44.7758, 0.2278, 0.2785)$

Have a look what the booklet for
Yxy(44.7758, 0.2278, 0.2785)
contains.

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Color

Yxy(44.9813, 0.2279, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	5ABFE3
RGB	90, 191, 227
RGB Percent	35%, 75%, 89%
CMY	0.6467, 0.2510, 0.1099
CMYK	0.60, 0.16, 0.00, 0.11
HSL	196°, 71%, 62%
HSV	196°, 60%, 89%
XYZ	36.7165, 44.9813, 79.4100
YIQ	164.9050, -71.7520, -10.2160

Conversions

Conversions Part 2

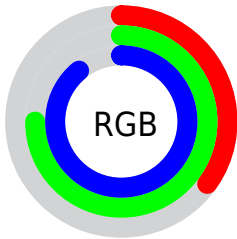
Format	Color
RYB	90, 148, 227
Decimal	5947363
CIELab	72.88, -18.95, -26.79
CIELCh	73, 32.813, 234.716
Yxy	44.9813, 0.2279, 0.2792
Android (android.graphics.Color)	4284137443 (0xFF5ABFE3)
YUV	164.9050, 30.6128, -65.6917
Hunter-Lab	67.0681, -19.6492, -23.2529

Details

The Yxy color **44.9813, 0.2279, 0.2792** 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 **32.0098, 0.4728, 0.3691**, and the grayscale version is **37.4658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3208, 0.2551, 0.3198**, and **20.8699, 0.2063, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **41.4620, 0.2180, 0.2694**, and if you desaturate by 10%, it is **48.9575, 0.2395, 0.2888**.

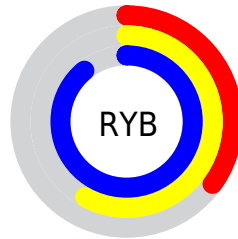
Distribution



Red (35%)

Green (75%)

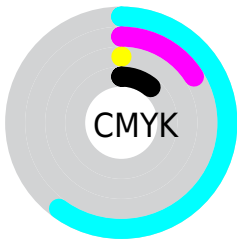
Blue (89%)



Red (35%)

Yellow (58%)

Blue (89%)

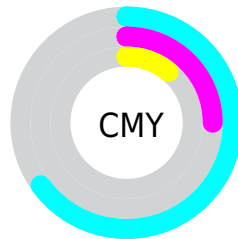


Cyan (60%)

Magenta (16%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (25%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9813, 0.2279, 0.2792 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 44.9813, 0.2279, 0.2792 by changing the saturation by 10% instead.

■ 44.9813, 0.2279,
0.2792

■ 44.9813, 0.2279,
0.2792

■ 366.6978, 0.2689,
0.3049

■ 31.4427, 0.2182,
0.2727

■ 82.6924, 0.2424,
0.2886

■ 20.9362, 0.2061,
0.2643

■ 107.6336, 0.2480,
0.2922

■ 13.0774, 0.1906,
0.2531

■ 137.1445, 0.2528,
0.2951

■ 7.4818, 0.1702,
0.2376

■ 171.6095, 0.2569,
0.2977

■ 3.7652, 0.1427,
0.2151

■ 211.4129, 0.2605,
0.2998

■ 1.5431, 0.1045,
0.1805

■ 256.9391, 0.2636,

■ 0.3188, 0.0000,

0.3017

0.1008

308.5727, 0.2664,
0.3034

0.0000, 0.0000,
0.0000

44.9813, 0.2279,
0.2792

44.9813, 0.2279,
0.2792

41.4620, 0.2180,
0.2694

48.9575, 0.2395,
0.2888

38.3606, 0.2101,
0.2594

53.4155, 0.2525,
0.2980

35.6386, 0.2042,
0.2496

58.3838, 0.2667,
0.3066

33.2973, 0.2000,
0.2401

63.8871, 0.2815,
0.3147

69.9481, 0.2968,
0.3221

76.5882, 0.3122,
0.3288

83.8274, 0.3275,
0.3348

88.3837, 0.3310,
0.3406

91.9307, 0.3303,
0.3464

Harmonies

Analogous

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



44.9813, 0.2364, 0.3171



44.9813, 0.2279, 0.2792



44.9813, 0.2397, 0.2582

Triad

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



44.9813, 0.2279, 0.2792



44.9813, 0.3606, 0.2968



44.9813, 0.3519, 0.4131

Complementary

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



44.9813, 0.2279, 0.2792



32.0098, 0.4728, 0.3691

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.



44.9813, 0.3887, 0.3995



44.9813, 0.2279, 0.2792



44.9813, 0.3951, 0.3320

Square

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



44.9813, 0.2279, 0.2792



44.9813, 0.3139, 0.2696



44.9813, 0.4053, 0.3689



44.9813, 0.3062, 0.4004

Rectangle

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



44.9813, 0.2279, 0.2792



44.9813, 0.2580, 0.2545



44.9813, 0.4053, 0.3689



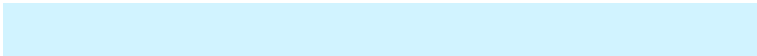
44.9813, 0.3658, 0.4111

Sweetspot

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



44.9829, 0.2279, 0.2792



84.8509, 0.2849, 0.3164



58.5722, 0.2885, 0.4780



17.6866, 0.2804, 0.3141



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.



44.9829, 0.2279, 0.2792



53.0704, 0.2162, 0.2672



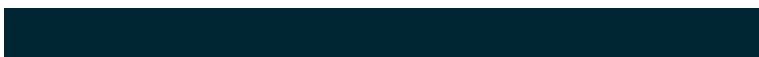
22.2166, 0.2057, 0.1804



15.6615, 0.2981, 0.3227



19.6212, 0.2005, 0.2416



1.5993, 0.2044, 0.2559

Inverse Universe

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



27.4169, 0.3597, 0.2204



30.3094, 0.3727, 0.2064



55.1031, 0.4196, 0.4401



14.5471, 0.3178, 0.3118



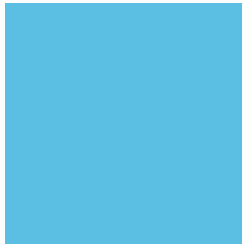
11.1785, 0.4007, 0.1981



0.8411, 0.3864, 0.1902

Previews

White Background



This preview shows how the Yxy color 44.9813, 0.2279, 0.2792 looks on a white background.

Color Contrast Check

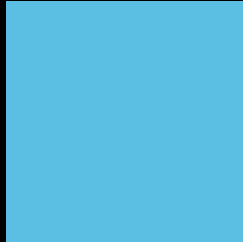
Large Text (above 18pt) WCAG AA × Fail

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 44.9813, 0.2279, 0.2792 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 44.9813, 0.2279, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 44.9813, 0.2279, 0.2792.



This preview shows how white text looks on a background with the Yxy color 44.9813, 0.2279, 0.2792.

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

44.9813, 0.2279, 0.2792

Protanopia

44.4436, 0.2769, 0.2779

Deuteranopia

44.6450, 0.2654, 0.2593



Tritanopia

45.0306, 0.2336, 0.3057

Trichromacy



Original Color

44.9813, 0.2279, 0.2792

Protanomaly

43.7905, 0.2547, 0.2770

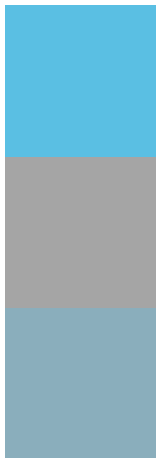
Deuteranomaly

44.2499, 0.2483, 0.2651

Tritanomaly

45.0291, 0.2316, 0.2962

Monochromacy



Original Color

44.9813, 0.2279, 0.2792

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.3062, 0.2725, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9813, 0.2279, 0.2792 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(90, 191, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 191, 227)  
}
```

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(90, 191, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 191, 227) }
```

Border

The CSS property to change the border of an element to Yxy 44.9813, 0.2279, 0.2792 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(90, 191, 227) }
```

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

```
.border{ border-color:rgb(90, 191, 227) }
```

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

Here you see how a box with a 4 pixel rgb(90, 191, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 191, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 191, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 191,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9813, 0.2279, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 191, 227) }
```

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

```
.background{ background-color: rgb(90, 191,  
227) }
```

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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