

Converting Colors

$Y_{xy}(50.8804, 0.2505, 0.2827)$

Have a look what the booklet for
Yxy(50.8804, 0.2505, 0.2827)
contains.

Yxy(50.7950, 0.2504, 0.2829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.7950, 0.2504, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	8BC4E8
RGB	139, 196, 232
RGB Percent	55%, 77%, 91%
CMY	0.4548, 0.2314, 0.0901
CMYK	0.40, 0.16, 0.00, 0.09
HSL	203°, 67%, 73%
HSV	203°, 40%, 91%
XYZ	44.9596, 50.7950, 83.7965
YIQ	183.0610, -45.5280, -0.8880

Conversions

Conversions Part 2

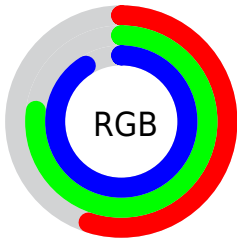
Format	Color
R _Y B	139, 174, 232
Decimal	9159912
CIE Lab	76.55, -9.36, -23.70
CIE LCh	77, 25.486, 248.450
Yxy	50.7950, 0.2504, 0.2829
Android (android.graphics.Color)	4287349992 (0xFF8BC4E8)
YUV	183.0610, 24.1269, -38.6415
Hunter-Lab	71.2706, -12.1205, -19.8208

Details

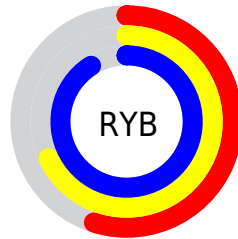
The Yxy color **50.7950, 0.2504, 0.2829** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.7113, 0.3970, 0.3703**, and the grayscale version is **47.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0727, 0.2777, 0.3268**, and **24.3654, 0.2347, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **45.0715, 0.2358, 0.2690**, and if you desaturate by 10%, it is **57.1893, 0.2657, 0.2960**.

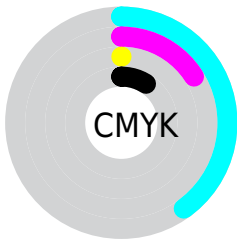
Distribution



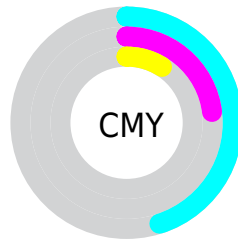
- Red (55%)
- Green (77%)
- Blue (91%)



- Red (55%)
- Yellow (68%)
- Blue (91%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7950, 0.2504, 0.2829 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 50.7950, 0.2504, 0.2829 by changing the saturation by 10% instead.

■ 50.7950, 0.2504,
0.2829

■ 50.7950, 0.2504,
0.2829

389.7668, 0.2803,
0.3057

■ 36.0455, 0.2433,
0.2773

■ 91.3517, 0.2610,
0.2911

■ 24.4693, 0.2345,
0.2703

■ 117.9276, 0.2650,
0.2942

■ 15.6821, 0.2231,
0.2610

149.2145, 0.2685,
0.2969

■ 9.2995, 0.2081,
0.2485

185.5967, 0.2715,
0.2991

■ 4.9371, 0.1874,
0.2307

227.4587, 0.2742,
0.3011

■ 2.2104, 0.1575,
0.2038

275.1847, 0.2765,

■ 0.7256, 0.1019,

0.3028

0.1604

329.1593, 0.2785,
0.3044

0.0000, 0.0000,
0.0000

50.7950, 0.2504,
0.2829

50.7950, 0.2504,
0.2829

45.0715, 0.2358,
0.2690

57.1893, 0.2657,
0.2960

39.9817, 0.2225,
0.2544

64.2774, 0.2814,
0.3080

35.4930, 0.2107,
0.2393

72.0879, 0.2971,
0.3190

31.5666, 0.2008,
0.2242

80.6461, 0.3126,
0.3289

28.1568, 0.1932,
0.2092

89.9664, 0.3276,
0.3378

■ 25.2096, 0.1875,
0.1948

■ 95.4195, 0.3267,
0.3464

■ 98.6076, 0.3262,
0.3512

Harmonies

Analogous

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



50.7950, 0.2498, 0.3066



50.7950, 0.2504, 0.2829



50.7950, 0.2665, 0.2726

Triad

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



50.7950, 0.2504, 0.2829



50.7950, 0.3619, 0.3168



50.7950, 0.3274, 0.3890

Complementary

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



50.7950, 0.2504, 0.2829



49.7113, 0.3970, 0.3703

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.



50.7950, 0.3590, 0.3885



50.7950, 0.2504, 0.2829



50.7950, 0.3800, 0.3453

Square

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



50.7950, 0.2504, 0.2829



50.7950, 0.3303, 0.2922



50.7950, 0.3786, 0.3716



50.7950, 0.2930, 0.3705

Rectangle

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



50.7950, 0.2504, 0.2829



50.7950, 0.2845, 0.2736



50.7950, 0.3786, 0.3716



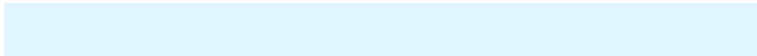
50.7950, 0.3387, 0.3910

Sweetspot

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



50.7970, 0.2504, 0.2829



87.3182, 0.2940, 0.3169



66.3021, 0.2875, 0.4037



18.4117, 0.2920, 0.3155



0.0000, 0.0000, 0.0000



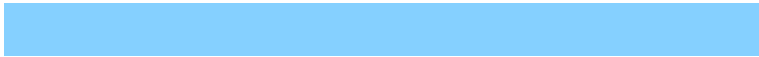
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7970, 0.2504, 0.2829



57.0778, 0.2384, 0.2716



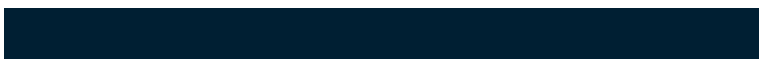
33.0958, 0.2407, 0.2206



15.3494, 0.2981, 0.3197



14.2435, 0.1881, 0.1971



1.2315, 0.1940, 0.2185

Inverse Universe

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



39.6211, 0.3518, 0.2655



42.4588, 0.3631, 0.2531



70.8312, 0.3769, 0.4181



14.5156, 0.3197, 0.3147



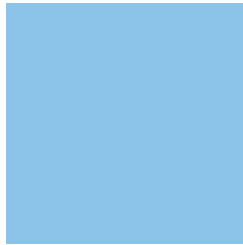
10.6356, 0.4485, 0.2245



0.8040, 0.4249, 0.2114

Previews

White Background



This preview shows how the Yxy color 50.7950, 0.2504, 0.2829 looks on a white background.

Color Contrast Check

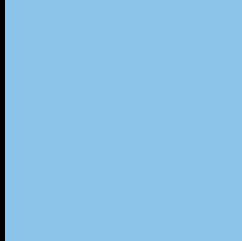
Large Text (above 18pt) WCAG AA × Fail

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 50.7950, 0.2504, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

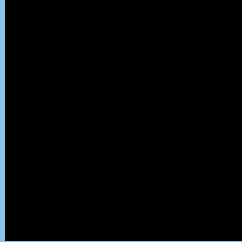
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7950, 0.2504, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 50.7950, 0.2504, 0.2829.

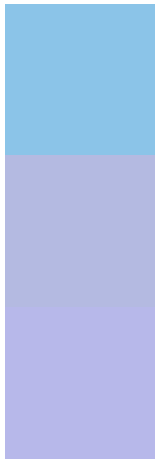


This preview shows how white text looks on a background with the Yxy color 50.7950, 0.2504, 0.2829.

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

50.7950, 0.2504, 0.2829

Protanopia

50.2574, 0.2799, 0.2815

Deuteranopia

50.2888, 0.2760, 0.2694



Tritanopia

50.8215, 0.2574, 0.3076

Trichromacy



Original Color

50.7950, 0.2504, 0.2829

Protanomaly

50.4277, 0.2678, 0.2818

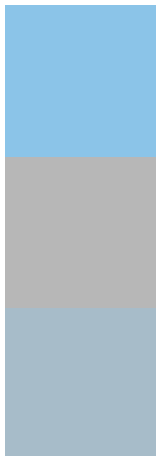
Deuteranomaly

50.0651, 0.2659, 0.2738

Tritanomaly

50.8429, 0.2550, 0.2988

Monochromacy



Original Color

50.7950, 0.2504, 0.2829

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.3990, 0.2866, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7950, 0.2504, 0.2829 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(139, 196, 232)` looks like.

```
.text, #text, p{  
    color:rgb(139, 196, 232)  
}
```

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(139, 196, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 196, 232) }
```

Border

The CSS property to change the border of an element to Yxy 50.7950, 0.2504, 0.2829 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(139, 196, 232) }
```

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

```
.border{ border-color:rgb(139, 196, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 196, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 196, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 196, 232);  
box-shadow:4px 4px 4px 4px rgb(139, 196,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7950, 0.2504, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 196, 232) }
```

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

```
.background{ background-color: rgb(139,  
196, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor