

Converting Colors

$Y_{xy}(52.8043, 0.2497, 0.2917)$

Have a look what the booklet for
Yxy(52.8043, 0.2497, 0.2917)
contains.

Yxy(52.5548, 0.2497, 0.2917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5548, 0.2497, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	86C9E6
RGB	134, 201, 230
RGB Percent	53%, 79%, 90%
CMY	0.4749, 0.2117, 0.0981
CMYK	0.42, 0.13, 0.00, 0.10
HSL	198°, 66%, 71%
HSV	198°, 42%, 90%
XYZ	44.9878, 52.5548, 82.6247
YIQ	184.2730, -49.2410, -5.1850

Conversions

Conversions Part 2

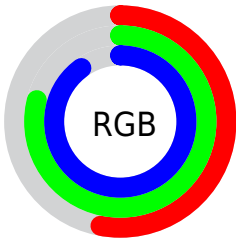
Format	Color
RYB	134, 173, 230
Decimal	8833510
CIELab	77.61, -13.83, -21.02
CIELCh	78, 25.168, 236.653
Yxy	52.5548, 0.2497, 0.2917
Android (android.graphics.Color)	4287023590 (0xFF86C9E6)
YUV	184.2730, 22.5434, -44.0894
Hunter-Lab	72.4947, -16.0946, -16.8286

Details

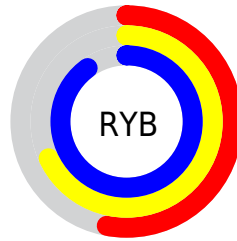
The Yxy color **52.5548, 0.2497, 0.2917** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6874, 0.4058, 0.3627**, and the grayscale version is **47.9748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **25.5431, 0.2341, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **47.7094, 0.2364, 0.2810**, and if you desaturate by 10%, it is **57.9610, 0.2641, 0.3018**.

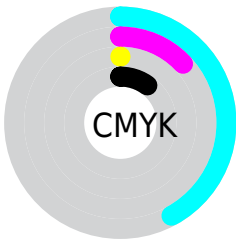
Distribution



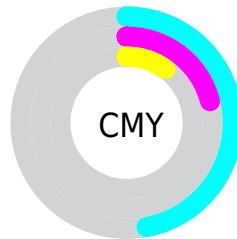
- Red (53%)
- Green (79%)
- Blue (90%)



- Red (53%)
- Yellow (68%)
- Blue (90%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (47%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5548, 0.2497, 0.2917 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 52.5548, 0.2497, 0.2917 by changing the saturation by 10% instead.

■ 52.5548, 0.2497,
0.2917

■ 52.5548, 0.2497,
0.2917

■ 396.5747, 0.2798,
0.3104

■ 37.4475, 0.2426,
0.2871

■ 93.9489, 0.2603,
0.2985

■ 25.5541, 0.2338,
0.2812

■ 121.0046, 0.2644,
0.3010

■ 16.4904, 0.2225,
0.2735

■ 152.8117, 0.2679,
0.3032

■ 9.8718, 0.2077,
0.2629

■ 189.7548, 0.2709,
0.3050

■ 5.3141, 0.1872,
0.2477

■ 232.2183, 0.2735,
0.3066

■ 2.4327, 0.1577,
0.2243

■ 280.5865, 0.2759,

■ 0.8426, 0.1027,

0.3080

0.1869

335.2439, 0.2779,
0.3093

0.0000, 0.0000,
0.0000

52.5548, 0.2497,
0.2917

52.5548, 0.2497,
0.2917

47.7094, 0.2364,
0.2810

57.9610, 0.2641,
0.3018

43.3898, 0.2245,
0.2698

63.9482, 0.2791,
0.3112

39.5660, 0.2143,
0.2584

70.5429, 0.2945,
0.3199

36.2015, 0.2061,
0.2468

77.7679, 0.3100,
0.3277

33.2526, 0.1999,
0.2354

85.6447, 0.3252,
0.3347

■ 31.0822, 0.1961,
0.2261

■ 90.8466, 0.3287,
0.3414

■ 95.0664, 0.3279,
0.3481

■ 98.4924, 0.3274,
0.3532

Harmonies

Analogous

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



52.5548, 0.2553, 0.3191



52.5548, 0.2497, 0.2917



52.5548, 0.2597, 0.2762

Triad

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



52.5548, 0.2497, 0.2917



52.5548, 0.3497, 0.3069



52.5548, 0.3400, 0.3896

Complementary

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



52.5548, 0.2497, 0.2917



44.6874, 0.4058, 0.3627

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.



52.5548, 0.3673, 0.3822



52.5548, 0.2497, 0.2917



52.5548, 0.3735, 0.3340

Square

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



52.5548, 0.2497, 0.2917



52.5548, 0.3162, 0.2857



52.5548, 0.3799, 0.3613



52.5548, 0.3064, 0.3786

Rectangle

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



52.5548, 0.2497, 0.2917



52.5548, 0.2742, 0.2735



52.5548, 0.3799, 0.3613



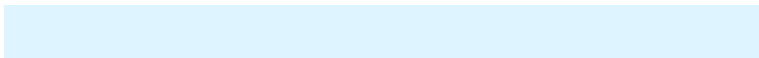
52.5548, 0.3503, 0.3890

Sweetspot

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



52.5568, 0.2497, 0.2917



88.0349, 0.2925, 0.3188



64.2812, 0.2911, 0.4186



18.4374, 0.2891, 0.3169



0.0000, 0.0000, 0.0000



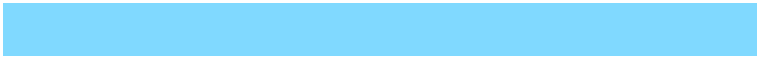
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5568, 0.2497, 0.2917



61.1722, 0.2383, 0.2826



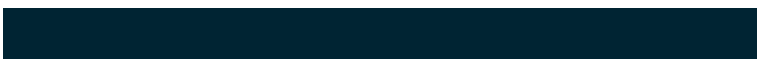
33.5954, 0.2390, 0.2261



15.5644, 0.2981, 0.3217



17.8236, 0.1966, 0.2279



1.4782, 0.2012, 0.2444

Inverse Universe

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



38.0630, 0.3454, 0.2544



41.5554, 0.3546, 0.2401



65.0137, 0.3830, 0.4139



14.5373, 0.3184, 0.3127



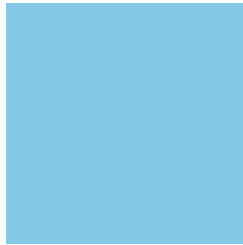
10.9970, 0.4149, 0.2059



0.8289, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 52.5548, 0.2497, 0.2917 looks on a white background.

Color Contrast Check

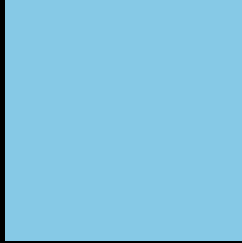
Large Text (above 18pt) WCAG AA × Fail

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 52.5548, 0.2497, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

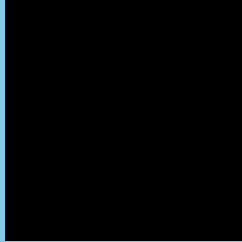
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5548, 0.2497, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 52.5548, 0.2497, 0.2917.



This preview shows how white text looks on a background with the Yxy color 52.5548, 0.2497, 0.2917.

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

52.5548, 0.2497, 0.2917

Protanopia

51.9834, 0.2858, 0.2891

Deuteranopia

52.1152, 0.2806, 0.2748



Tritanopia

52.6516, 0.2543, 0.3078

Trichromacy



Original Color

52.5548, 0.2497, 0.2917

Protanomaly

51.6832, 0.2707, 0.2892

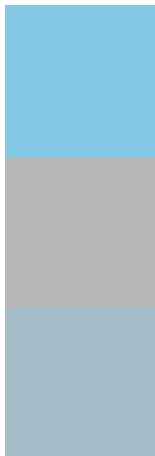
Deuteranomaly

51.8503, 0.2677, 0.2800

Tritanomaly

52.4743, 0.2525, 0.3015

Monochromacy



Original Color

52.5548, 0.2497, 0.2917

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.1509, 0.2860, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5548, 0.2497, 0.2917 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(134, 201, 230)` looks like.

```
.text, #text, p{  
    color:rgb(134, 201, 230)  
}
```

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(134, 201, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 201, 230) }
```

Border

The CSS property to change the border of an element to Yxy 52.5548, 0.2497, 0.2917 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(134, 201, 230) }
```

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

```
.border{ border-color:rgb(134, 201, 230) }
```

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

Here you see how a box with a 4 pixel rgb(134, 201, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 201, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 201, 230);  
box-shadow:4px 4px 4px 4px rgb(134, 201,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5548, 0.2497, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 201, 230) }
```

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

```
.background{ background-color: rgb(134,  
201, 230) }
```

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