

Converting Colors

$Y_{xy}(50.5509, 0.2542, 0.2808)$

Have a look what the booklet for
Yxy(50.5509, 0.2542, 0.2808)
contains.

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Color

Yxy(50.5208, 0.2541, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	92C2E8
RGB	146, 194, 232
RGB Percent	57%, 76%, 91%
CMY	0.4272, 0.2392, 0.0902
CMYK	0.37, 0.16, 0.00, 0.09
HSL	207°, 65%, 74%
HSV	207°, 37%, 91%
XYZ	45.7170, 50.5208, 83.6796
YIQ	183.9800, -40.8060, 1.6420

Conversions

Conversions Part 2

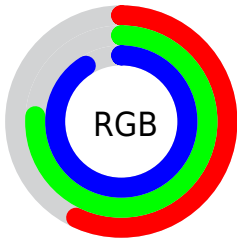
Format	Color
R_{YB}	146, 177, 232
Decimal	9618152
CIE Lab	76.39, -6.47, -23.91
CIE LCh	76, 24.766, 254.864
Yxy	50.5208, 0.2541, 0.2808
Android (android.graphics.Color)	4287808232 (0xFF92C2E8)
YUV	183.9800, 23.6739, -33.3085
Hunter-Lab	71.0780, -9.5762, -20.0471

Details

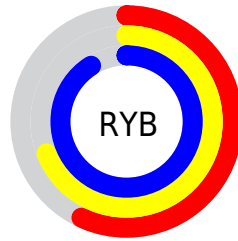
The Yxy color **50.5208, 0.2541, 0.2808** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.5343, 0.3869, 0.3724**, and the grayscale version is **47.8113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1478, 0.2813, 0.3237**, and **24.1661, 0.2393, 0.2673** is the 20% darker color. If you saturate the color by 10%, you get **44.1977, 0.2386, 0.2650**, and if you desaturate by 10%, it is **57.5945, 0.2700, 0.2955**.

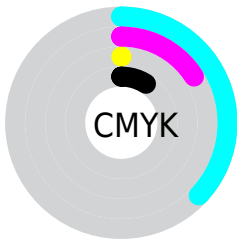
Distribution



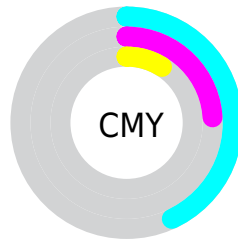
- Red (57%)
- Green (76%)
- Blue (91%)



- Red (57%)
- Yellow (69%)
- Blue (91%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (43%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5208, 0.2541, 0.2808 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 50.5208, 0.2541, 0.2808 by changing the saturation by 10% instead.

■ 50.5208, 0.2541,
0.2808

■ 50.5208, 0.2541,
0.2808

388.6991, 0.2824,
0.3045

■ 35.8274, 0.2474,
0.2750

■ 90.9460, 0.2641,
0.2893

■ 24.3009, 0.2390,
0.2678

■ 117.4467, 0.2679,
0.2925

■ 15.5570, 0.2282,
0.2583

148.6518, 0.2712,
0.2953

■ 9.2112, 0.2138,
0.2455

184.9458, 0.2741,
0.2977

■ 4.8792, 0.1940,
0.2274

226.7132, 0.2765,
0.2997

■ 2.1766, 0.1650,
0.2002

274.3383, 0.2787,

■ 0.7072, 0.1131,

0.3015

0.1556

328.2054, 0.2806,
0.3031

0.0000, 0.0000,
0.0000

50.5208, 0.2541,
0.2808

50.5208, 0.2541,
0.2808

44.1977, 0.2386,
0.2650

57.5945, 0.2700,
0.2955

38.5866, 0.2241,
0.2484

65.4430, 0.2861,
0.3090

33.6540, 0.2110,
0.2312

74.0965, 0.3019,
0.3212

29.3602, 0.1997,
0.2138

83.5816, 0.3172,
0.3321

25.6594, 0.1906,
0.1966

92.5619, 0.3272,
0.3420

■ 22.4944, 0.1838,
0.1801

■ 98.6058, 0.3262,
0.3513

■ 21.6360, 0.1820,
0.1753

Harmonies

Analogous

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



50.5208, 0.2502, 0.3014



50.5208, 0.2541, 0.2808



50.5208, 0.2728, 0.2737

Triad

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



50.5208, 0.2541, 0.2808



50.5208, 0.3657, 0.3230



50.5208, 0.3198, 0.3849

Complementary

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



50.5208, 0.2541, 0.2808



53.5343, 0.3869, 0.3724

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.



50.5208, 0.3519, 0.3885



50.5208, 0.2541, 0.2808



50.5208, 0.3795, 0.3509

Square

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



50.5208, 0.2541, 0.2808



50.5208, 0.3370, 0.2977



50.5208, 0.3742, 0.3751



50.5208, 0.2869, 0.3635

Rectangle

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



50.5208, 0.2541, 0.2808



50.5208, 0.2919, 0.2765



50.5208, 0.3742, 0.3751



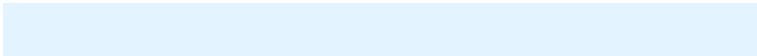
50.5208, 0.3310, 0.3882

Sweetspot

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



50.5228, 0.2541, 0.2808



87.4033, 0.2956, 0.3164



67.2562, 0.2868, 0.3913



18.3942, 0.2934, 0.3148



0.0000, 0.0000, 0.0000



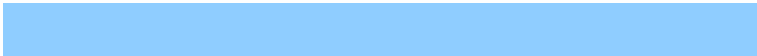
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5228, 0.2541, 0.2808



56.8913, 0.2429, 0.2696



34.3279, 0.2460, 0.2245



15.2140, 0.2981, 0.3183



12.2675, 0.1828, 0.1779



1.0910, 0.1894, 0.2019

Inverse Universe

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



41.6238, 0.3526, 0.2753



45.2716, 0.3635, 0.2650



73.7677, 0.3704, 0.4156



14.5020, 0.3205, 0.3160



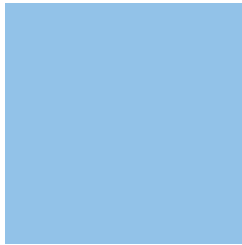
10.4361, 0.4711, 0.2369



0.7898, 0.4431, 0.2215

Previews

White Background



This preview shows how the Yxy color 50.5208, 0.2541, 0.2808 looks on a white background.

Color Contrast Check

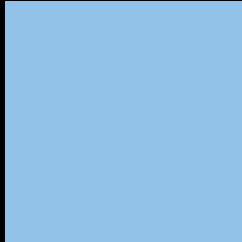
Large Text (above 18pt) WCAG AA × Fail

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 50.5208, 0.2541, 0.2808 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 50.5208, 0.2541, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 50.5208, 0.2541, 0.2808.



This preview shows how white text looks on a background with the Yxy color 50.5208, 0.2541, 0.2808.

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

50.5208, 0.2541, 0.2808

Protanopia

50.2476, 0.2779, 0.2792

Deuteranopia

50.1666, 0.2753, 0.2693



Tritanopia

50.3993, 0.2623, 0.3077

Trichromacy



Original Color

50.5208, 0.2541, 0.2808

Protanomaly

50.2678, 0.2685, 0.2795

Deuteranomaly

50.2846, 0.2672, 0.2740

Tritanomaly

50.4868, 0.2593, 0.2977

Monochromacy



Original Color

50.5208, 0.2541, 0.2808

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7295, 0.2889, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5208, 0.2541, 0.2808 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(146, 194, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 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(146, 194, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 232) }
```

Border

The CSS property to change the border of an element to Yxy 50.5208, 0.2541, 0.2808 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(146, 194, 232) }
```

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

```
.border{ border-color:rgb(146, 194, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 194, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 194, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 194, 232);  
box-shadow:4px 4px 4px 4px rgb(146, 194,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5208, 0.2541, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 232) }
```

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

```
.background{ background-color: rgb(146,  
194, 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](#).

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