

Converting Colors

$Y_{xy}(52.1298, 0.2543, 0.2817)$

Have a look what the booklet for
Yxy(52.1298, 0.2543, 0.2817)
contains.

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Color

Yxy(52.2266, 0.2542, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	94C5EB
RGB	148, 197, 235
RGB Percent	58%, 77%, 92%
CMY	0.4195, 0.2275, 0.0784
CMYK	0.37, 0.16, 0.00, 0.08
HSL	206°, 68%, 75%
HSV	206°, 37%, 92%
XYZ	47.1784, 52.2266, 86.1906
YIQ	186.6810, -41.4020, 1.4300

Conversions

Conversions Part 2

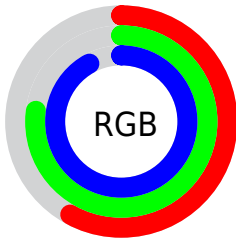
Format	Color
R_{YB}	148, 179, 235
Decimal	9749995
CIE _{Lab}	77.42, -6.77, -23.95
CIE _{LCh}	77, 24.886, 254.218
Yxy	52.2266, 0.2542, 0.2814
Android (android.graphics.Color)	4287940075 (0xFF94C5EB)
YUV	186.6810, 23.8213, -33.9232
Hunter-Lab	72.2680, -9.9395, -20.1248

Details

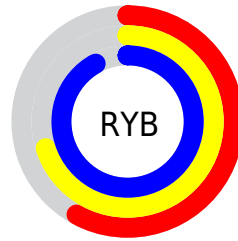
The Yxy color **52.2266, 0.2542, 0.2814** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.9349, 0.3870, 0.3719**, and the grayscale version is **49.3906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9410, 0.2826, 0.3279**, and **25.2268, 0.2390, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **45.7487, 0.2388, 0.2658**, and if you desaturate by 10%, it is **59.4712, 0.2701, 0.2959**.

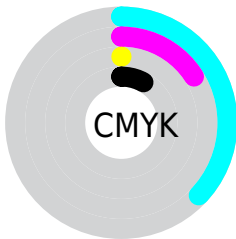
Distribution



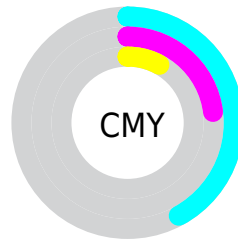
- Red (58%)
- Green (77%)
- Blue (92%)



- Red (58%)
- Yellow (70%)
- Blue (92%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)




- Cyan (42%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2266, 0.2542, 0.2814 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 52.2266, 0.2542, 0.2814 by changing the saturation by 10% instead.


 52.2266, 0.2542,
0.2814


 52.2266, 0.2542,
0.2814


395.3108, 0.2823,
0.3047

 37.1857, 0.2476,
0.2758


 93.4653, 0.2641,
0.2897

 25.3513, 0.2393,
0.2687

 120.4320, 0.2679,
0.2929

 16.3390, 0.2287,
0.2595


152.1427, 0.2712,
0.2956

 9.7644, 0.2147,
0.2471

188.9819, 0.2740,
0.2979

 5.2430, 0.1954,
0.2296

231.3338, 0.2764,
0.3000

 2.3905, 0.1675,
0.2036

279.5831, 0.2786,

 0.8210, 0.1216,

0.3017

0.1623

334.1139, 0.2805,
0.3033

0.0000, 0.0000,
0.0000

52.2266, 0.2542,
0.2814

52.2266, 0.2542,
0.2814

45.7487, 0.2388,
0.2658

59.4712, 0.2701,
0.2959

39.9979, 0.2243,
0.2494

67.5072, 0.2861,
0.3092

34.9398, 0.2113,
0.2323

76.3656, 0.3019,
0.3213

30.5338, 0.2001,
0.2151

86.0737, 0.3172,
0.3321

26.7328, 0.1910,
0.1982

94.6042, 0.3250,
0.3420

■ 23.4784, 0.1843,
0.1818

■ 98.7782, 0.3244,
0.3483

■ 22.5845, 0.1825,
0.1770

Harmonies

Analogous

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



52.2266, 0.2507, 0.3021



52.2266, 0.2542, 0.2814



52.2266, 0.2725, 0.2740

Triad

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



52.2266, 0.2542, 0.2814



52.2266, 0.3649, 0.3225



52.2266, 0.3205, 0.3848

Complementary

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



52.2266, 0.2542, 0.2814



54.9349, 0.3870, 0.3719

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.



52.2266, 0.3523, 0.3880



52.2266, 0.2542, 0.2814



52.2266, 0.3790, 0.3502

Square

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



52.2266, 0.2542, 0.2814



52.2266, 0.3362, 0.2974



52.2266, 0.3741, 0.3744



52.2266, 0.2878, 0.3639

Rectangle

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



52.2266, 0.2542, 0.2814



52.2266, 0.2913, 0.2766



52.2266, 0.3741, 0.3744



52.2266, 0.3317, 0.3880

Sweetspot

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



52.2286, 0.2542, 0.2814



87.4900, 0.2956, 0.3166



69.2491, 0.2868, 0.3912



18.4149, 0.2934, 0.3149



0.0000, 0.0000, 0.0000



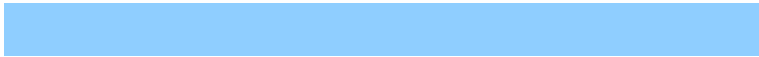
21.4041, 0.3127, 0.3290

Same Dimension

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



52.2286, 0.2542, 0.2814



57.1701, 0.2430, 0.2703



35.3531, 0.2460, 0.2245



15.9561, 0.2981, 0.3184



12.8280, 0.1832, 0.1795



1.1983, 0.1895, 0.2021

Inverse Universe

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



42.8839, 0.3521, 0.2749



45.2997, 0.3629, 0.2644



75.9521, 0.3703, 0.4156



15.1961, 0.3205, 0.3158



10.7878, 0.4691, 0.2358



0.8664, 0.4429, 0.2213

Previews

White Background



This preview shows how the Yxy color 52.2266, 0.2542, 0.2814 looks on a white background.

Color Contrast Check

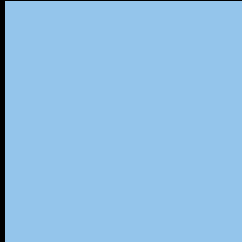
Large Text (above 18pt) WCAG AA × Fail

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 52.2266, 0.2542, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

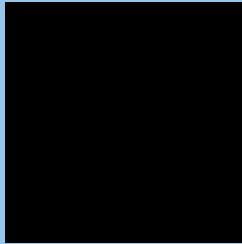
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2266, 0.2542, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 52.2266, 0.2542, 0.2814.



This preview shows how white text looks on a background with the Yxy color 52.2266, 0.2542, 0.2814.

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

52.2266, 0.2542, 0.2814

Protanopia

51.9974, 0.2790, 0.2810

Deuteranopia

51.9694, 0.2758, 0.2701



Tritanopia

52.1061, 0.2623, 0.3080

Trichromacy



Original Color

52.2266, 0.2542, 0.2814

Protanomaly

52.0148, 0.2696, 0.2813

Deuteranomaly

52.0884, 0.2678, 0.2747

Tritanomaly

52.1943, 0.2594, 0.2981

Monochromacy



Original Color

52.2266, 0.2542, 0.2814

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.5055, 0.2892, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2266, 0.2542, 0.2814 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(148, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(148, 197, 235)  
}
```

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(148, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 197, 235) }
```

Border

The CSS property to change the border of an element to Yxy 52.2266, 0.2542, 0.2814 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(148, 197, 235) }
```

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

```
.border{ border-color:rgb(148, 197, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 197, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(148, 197,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2266, 0.2542, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 197, 235) }
```

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

```
.background{ background-color: rgb(148,  
197, 235) }
```

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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