

Converting Colors

$Y_{xy}(52.0639, 0.2411, 0.2563)$

Have a look what the booklet for
Yxy(52.0639, 0.2411, 0.2563)
contains.

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Color

Yxy(52.1795, 0.2413, 0.2566)

Conversions

Conversions Part 1

Format	Color
Hex	90C3FF
RGB	144, 195, 255
RGB Percent	56%, 76%, 100%
CMY	0.4353, 0.2353, 0.0000
CMYK	0.44, 0.24, 0.00, 0.00
HSL	212°, 100%, 78%
HSV	212°, 44%, 100%
XYZ	49.0683, 52.1795, 102.1018
YIQ	186.5910, -49.6560, 7.8480

Conversions

Conversions Part 2

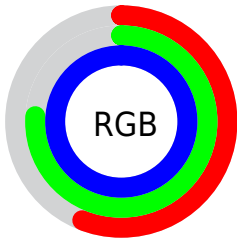
Format	Color
RYB	144, 179, 255
Decimal	9487359
CIELab	77.39, -1.43, -34.74
CIELCh	77, 34.774, 267.643
Yxy	52.1795, 0.2413, 0.2566
Android (android.graphics.Color)	4287677439 (0xFF90C3FF)
YUV	186.5910, 33.7256, -37.3523
Hunter-Lab	72.2354, -5.1599, -33.2393

Details

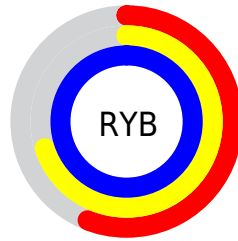
The Yxy color **52.1795, 0.2413, 0.2566** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.4621, 0.3993, 0.3910**, and the grayscale version is **49.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7709, 0.2813, 0.3247**, and **25.4495, 0.2238, 0.2393** is the 20% darker color. If you saturate the color by 10%, you get **44.2432, 0.2251, 0.2362**, and if you desaturate by 10%, it is **61.2070, 0.2581, 0.2759**.

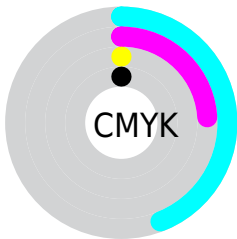
Distribution



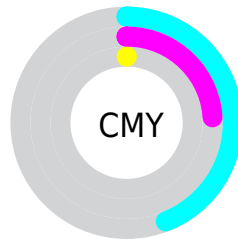
- Red (56%)
- Green (76%)
- Blue (100%)



- Red (56%)
- Yellow (70%)
- Blue (100%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1795, 0.2413, 0.2566 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 52.1795, 0.2413, 0.2566 by changing the saturation by 10% instead.

■ 52.1795, 0.2413,
0.2566

■ 52.1795, 0.2413,
0.2566

■ 395.1292, 0.2753,
0.2912

■ 37.1482, 0.2334,
0.2485

■ 93.3959, 0.2532,
0.2688

■ 25.3222, 0.2237,
0.2385

■ 120.3498, 0.2578,
0.2734

■ 16.3173, 0.2113,
0.2258

■ 152.0466, 0.2618,
0.2775

■ 9.7490, 0.1952,
0.2093

■ 188.8708, 0.2652,
0.2810

■ 5.2328, 0.1737,
0.1870

■ 231.2068, 0.2682,
0.2840

■ 2.3845, 0.1439,
0.1560

■ 279.4389, 0.2708,

■ 0.8179, 0.1015,

0.2867

0.1118

333.9516, 0.2732,
0.2891

0.0000, 0.0000,
0.0000

52.1795, 0.2413,
0.2566

52.1795, 0.2413,
0.2566

44.2432, 0.2251,
0.2362

61.2070, 0.2581,
0.2759

37.3438, 0.2099,
0.2150

71.3689, 0.2750,
0.2936

31.4266, 0.1965,
0.1936

82.7100, 0.2915,
0.3098

26.4289, 0.1854,
0.1727

95.2714, 0.3073,
0.3243

22.2768, 0.1768,
0.1530

100.0000, 0.3127,
0.3290

■ 19.9792, 0.1725,
0.1411

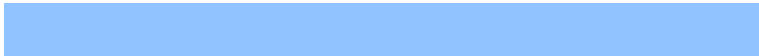
Harmonies

Analogous

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



52.1795, 0.2275, 0.2759



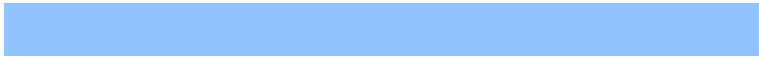
52.1795, 0.2413, 0.2566



52.1795, 0.2735, 0.2557

Triad

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



52.1795, 0.2413, 0.2566



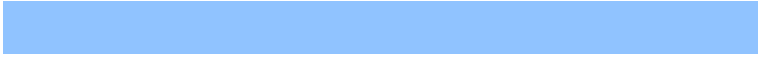
52.1795, 0.3981, 0.3357



52.1795, 0.3016, 0.3983

Complementary

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



52.1795, 0.2413, 0.2566



66.4621, 0.3993, 0.3910

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.



52.1795, 0.3479, 0.4138



52.1795, 0.2413, 0.2566



52.1795, 0.4056, 0.3726

Square

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



52.1795, 0.2413, 0.2566



52.1795, 0.3652, 0.2997



52.1795, 0.3865, 0.4023



52.1795, 0.2603, 0.3591

Rectangle

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



52.1795, 0.2413, 0.2566



52.1795, 0.3027, 0.2645



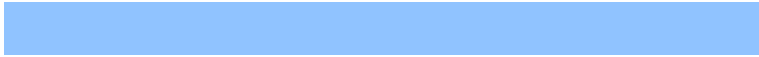
52.1795, 0.3865, 0.4023



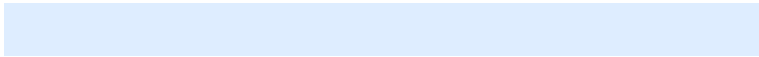
52.1795, 0.3171, 0.4066

Sweetspot

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



52.1807, 0.2413, 0.2566



83.3409, 0.2923, 0.3106



81.7714, 0.2776, 0.3909



17.2774, 0.2887, 0.3072



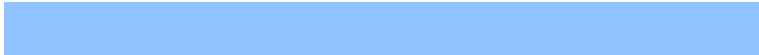
0.0000, 0.0000, 0.0000



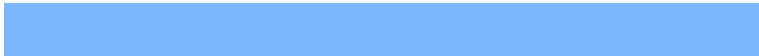
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1807, 0.2413, 0.2566



45.3866, 0.2275, 0.2394



33.4371, 0.2329, 0.1938



18.7529, 0.2979, 0.3158



10.7304, 0.1734, 0.1441



1.2603, 0.1794, 0.1656

Inverse Universe

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



45.1488, 0.3739, 0.2764



38.7098, 0.3920, 0.2670



94.0989, 0.3751, 0.4375



18.1259, 0.3222, 0.3181



11.8112, 0.5136, 0.2603



1.1718, 0.4861, 0.2451

Previews

White Background



This preview shows how the Yxy color 52.1795, 0.2413, 0.2566 looks on a white background.

Color Contrast Check

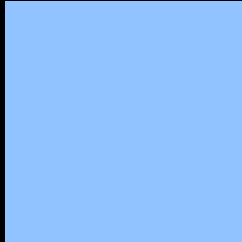
Large Text (above 18pt) WCAG AA × Fail

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 52.1795, 0.2413, 0.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

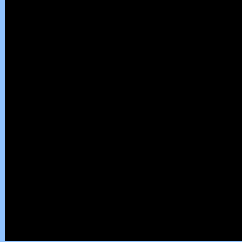
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

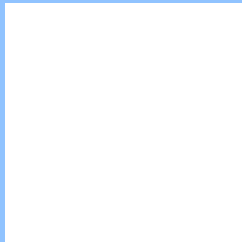
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1795, 0.2413, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 52.1795, 0.2413, 0.2566.



This preview shows how white text looks on a background with the Yxy color 52.1795, 0.2413, 0.2566.

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

52.1795, 0.2413, 0.2566

Protanopia

51.8672, 0.2606, 0.2565

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

52.3713, 0.2563, 0.3079

Trichromacy



Original Color

52.1795, 0.2413, 0.2566

Protanomaly

52.0764, 0.2530, 0.2568

Deuteranomaly

52.1630, 0.2508, 0.2536

Tritanomaly

52.0196, 0.2510, 0.2880

Monochromacy



Original Color

52.1795, 0.2413, 0.2566

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.2383, 0.2823, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1795, 0.2413, 0.2566 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(144, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 195, 255)  
}
```

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(144, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.1795, 0.2413, 0.2566 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(144, 195, 255) }
```

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

```
.border{ border-color:rgb(144, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1795, 0.2413, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 195, 255) }
```

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

```
.background{ background-color: rgb(144,  
195, 255) }
```

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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