

Converting Colors

$Y_{xy}(72.3568, 0.2186, 0.2150)$

Have a look what the booklet for
Yxy(72.3568, 0.2186, 0.2150)
contains.

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Color

Yxy(65.8029, 0.2518, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	9ADDFE
RGB	154, 221, 255
RGB Percent	60%, 87%, 100%
CMY	0.3959, 0.1333, 0.0001
CMYK	0.40, 0.13, 0.00, 0.00
HSL	200°, 100%, 80%
HSV	200°, 40%, 100%
XYZ	57.2337, 65.8029, 104.2618
YIQ	204.8430, -50.8460, -3.6300

Conversions

Conversions Part 2

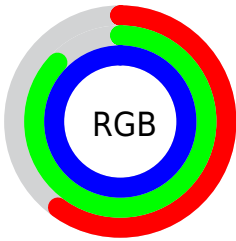
Format	Color
RYB	154, 194, 255
Decimal	10149375
CIELab	84.90, -12.67, -23.17
CIELCh	85, 26.411, 241.324
Yxy	65.8029, 0.2518, 0.2895
Android (android.graphics.Color)	4288339455 (0xFF9ADDF5)
YUV	204.8430, 24.7274, -44.5893
Hunter-Lab	81.1190, -16.0170, -19.4218

Details

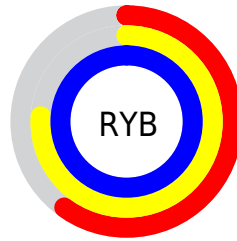
The Yxy color **65.8029, 0.2518, 0.2895** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5578, 0.3984, 0.3648**, and the grayscale version is **60.8156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **33.9463, 0.2380, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **59.1469, 0.2378, 0.2775**, and if you desaturate by 10%, it is **73.2269, 0.2667, 0.3008**.

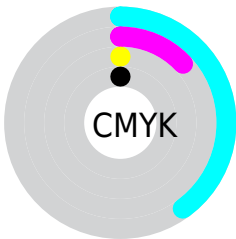
Distribution



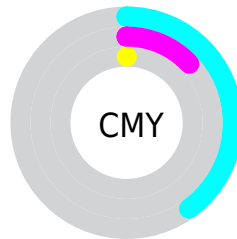
- Red (60%)
- Green (87%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8029, 0.2518, 0.2895 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 65.8029, 0.2518, 0.2895 by changing the saturation by 10% instead.


 65.8029, 0.2518,
0.2895

 65.8029, 0.2518,
0.2895


445.6717, 0.2798,
0.3084

 48.1124, 0.2455,
0.2851

 113.2034, 0.2614,
0.2962

 33.9159, 0.2378,
0.2795


 143.6822, 0.2652,
0.2987

 22.8290, 0.2281,
0.2725


179.1926, 0.2685,
0.3009

 14.4673, 0.2156,
0.2632

220.1189, 0.2713,
0.3028

 8.4464, 0.1991,
0.2504

266.8456, 0.2738,
0.3045

 4.3819, 0.1762,
0.2318

319.7570, 0.2760,

 1.8894, 0.1431,

0.3059

0.2032

379.2376, 0.2780,
0.3072

■ 0.5420, 0.0576,
0.1518

■ 0.0000, 0.0000,
0.0000

■ 65.8029, 0.2518,
0.2895

■ 65.8029, 0.2518,
0.2895

■ 59.1469, 0.2378,
0.2775

■ 73.2269, 0.2667,
0.3008

■ 53.2138, 0.2250,
0.2649

■ 81.4457, 0.2822,
0.3112

■ 47.9651, 0.2139,
0.2519

■ 90.4934, 0.2978,
0.3207

■ 43.3537, 0.2048,
0.2389

99.9978, 0.3127,
0.3290

■ 39.3245, 0.1977,
0.2259

■ 35.7933, 0.1926,
0.2132

■ 35.6528, 0.1924,
0.2126

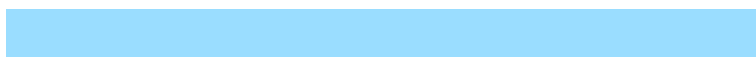
Harmonies

Analogous

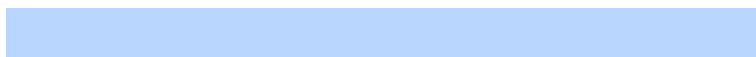
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8029, 0.2549, 0.3147



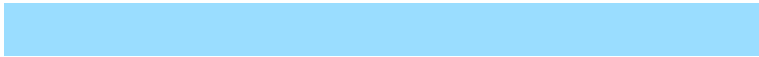
65.8029, 0.2518, 0.2895



65.8029, 0.2638, 0.2764

Triad

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



65.8029, 0.2518, 0.2895



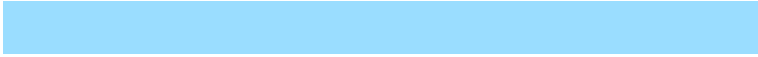
65.8029, 0.3532, 0.3114



65.8029, 0.3345, 0.3874

Complementary

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



65.8029, 0.2518, 0.2895



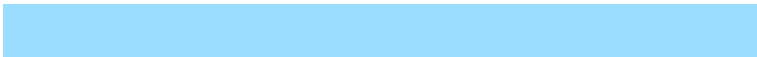
59.5578, 0.3984, 0.3648

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.



65.8029, 0.3625, 0.3830



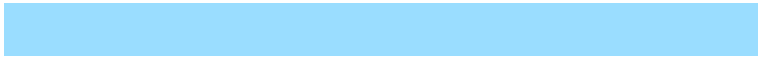
65.8029, 0.2518, 0.2895



65.8029, 0.3741, 0.3382

Square

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



65.8029, 0.2518, 0.2895



65.8029, 0.3214, 0.2894



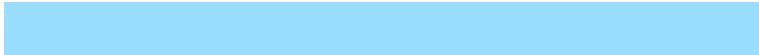
65.8029, 0.3774, 0.3643



65.8029, 0.3016, 0.3739

Rectangle

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



65.8029, 0.2518, 0.2895



65.8029, 0.2793, 0.2752



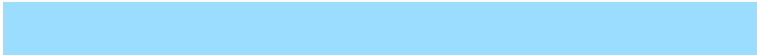
65.8029, 0.3774, 0.3643



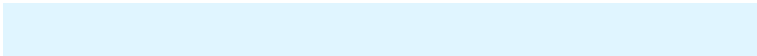
65.8029, 0.3448, 0.3879

Sweetspot

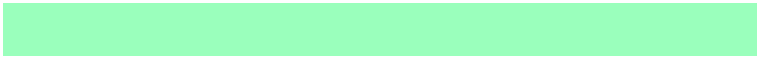
The Sweet Spot groups the original color and five complimentary colors.



65.8054, 0.2518, 0.2895



88.2558, 0.2941, 0.3185



81.9893, 0.2902, 0.4094



18.6328, 0.2920, 0.3173



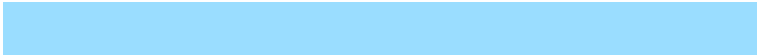
0.0000, 0.0000, 0.0000



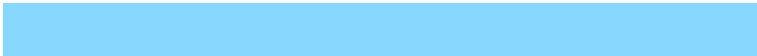
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8054, 0.2518, 0.2895



60.8140, 0.2413, 0.2807



43.1665, 0.2422, 0.2277



19.3911, 0.2980, 0.3208



18.9220, 0.1930, 0.2147



2.0443, 0.1970, 0.2293

Inverse Universe

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



49.5995, 0.3466, 0.2611



43.5190, 0.3554, 0.2489



84.8214, 0.3782, 0.4130



18.1903, 0.3190, 0.3134



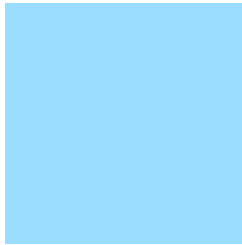
12.6382, 0.4289, 0.2137



1.2509, 0.4134, 0.2051

Previews

White Background



This preview shows how the Yxy color 65.8029, 0.2518, 0.2895 looks on a white background.

Color Contrast Check

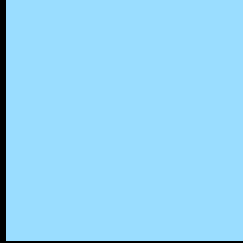
Large Text (above 18pt) WCAG AA × Fail

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 65.8029, 0.2518, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

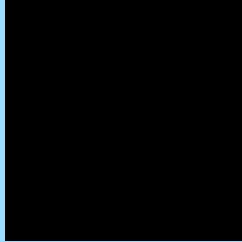
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8029, 0.2518, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 65.8029, 0.2518, 0.2895.

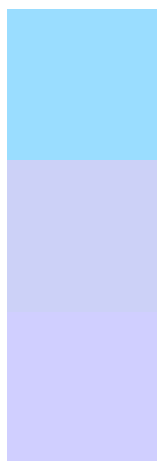


This preview shows how white text looks on a background with the Yxy color 65.8029, 0.2518, 0.2895.

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

65.8029, 0.2518, 0.2895

Protanopia

65.1537, 0.2843, 0.2873

Deuteranopia

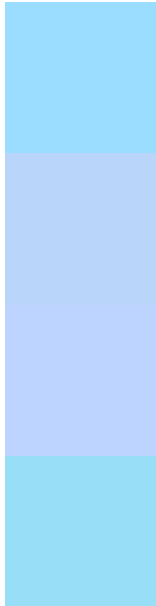
65.2555, 0.2820, 0.2773



Tritanopia

65.6103, 0.2569, 0.3074

Trichromacy



Original Color

65.8029, 0.2518, 0.2895

Protanomaly

64.9297, 0.2713, 0.2873

Deuteranomaly

64.9983, 0.2696, 0.2811

Tritanomaly

65.4757, 0.2548, 0.3005

Monochromacy



Original Color

65.8029, 0.2518, 0.2895

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.3553, 0.2871, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8029, 0.2518, 0.2895 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(154, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 221, 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(154, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8029, 0.2518, 0.2895 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(154, 221, 255) }
```

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

```
.border{ border-color:rgb(154, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8029, 0.2518, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 221, 255) }
```

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

```
.background{ background-color: rgb(154,  
221, 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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