

Converting Colors

$Yxy(63.3397, 0.2614, 0.2829)$

Have a look what the booklet for
Yxy(63.3397, 0.2614, 0.2829)
contains.

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Color

Yxy(63.4510, 0.2612, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	ACD5FD
RGB	172, 213, 253
RGB Percent	67%, 84%, 99%
CMY	0.3258, 0.1646, 0.0079
CMYK	0.32, 0.16, 0.00, 0.01
HSL	210°, 95%, 83%
HSV	210°, 32%, 99%
XYZ	58.5219, 63.4510, 102.0772
YIQ	205.3010, -37.2760, 3.7480

Conversions

Conversions Part 2

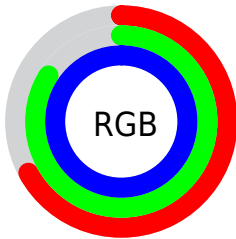
Format	Color
RYB	172, 199, 253
Decimal	11326973
CIELab	83.68, -4.28, -23.88
CIELCh	84, 24.264, 259.829
Yxy	63.4510, 0.2612, 0.2832
Android (android.graphics.Color)	4289517053 (0xFFACD5FD)
YUV	205.3010, 23.5156, -29.2050
Hunter-Lab	79.6561, -8.2576, -20.2193

Details

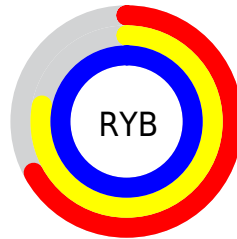
The Yxy color **63.4510, 0.2612, 0.2832** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.8841, 0.3736, 0.3706**, and the grayscale version is **61.1095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **32.2211, 0.2489, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **54.8244, 0.2449, 0.2660**, and if you desaturate by 10%, it is **73.1098, 0.2777, 0.2991**.

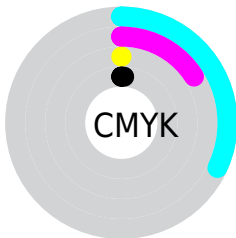
Distribution



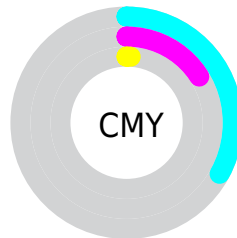
- Red (67%)
- Green (84%)
- Blue (99%)



- Red (67%)
- Yellow (78%)
- Blue (99%)



- Cyan (32%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)



- Cyan (33%)
- Magenta (16%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4510, 0.2612, 0.2832 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 63.4510, 0.2612, 0.2832 by changing the saturation by 10% instead.

■ 63.4510, 0.2612,
0.2832

■ 63.4510, 0.2612,
0.2832

437.2044, 0.2852,
0.3048

■ 46.2062, 0.2557,
0.2782

■ 109.8199, 0.2695,
0.2908

■ 32.4085, 0.2490,
0.2720

139.7128, 0.2728,
0.2937

■ 21.6737, 0.2404,
0.2641

174.5904, 0.2755,
0.2962

■ 13.6174, 0.2294,
0.2538

214.8373, 0.2780,
0.2984

■ 7.8550, 0.2144,
0.2397

260.8377, 0.2801,
0.3003

■ 4.0023, 0.1934,
0.2196

312.9761, 0.2820,

■ 1.6749, 0.1621,

0.3020

0.1889

371.6369, 0.2837,
0.3035

0.4073, 0.0851,
0.1227

0.0000, 0.0000,
0.0000

63.4510, 0.2612,
0.2832

63.4510, 0.2612,
0.2832

54.8244, 0.2449,
0.2660

73.1098, 0.2777,
0.2991

47.1808, 0.2291,
0.2476

83.8324, 0.2939,
0.3136

40.4773, 0.2145,
0.2284

95.6579, 0.3096,
0.3265

34.6641, 0.2014,
0.2089

99.8709, 0.3139,
0.3309

■ 29.6851, 0.1906,
0.1896

■ 25.4744, 0.1821,
0.1710

■ 22.6003, 0.1769,
0.1569

Harmonies

Analogous

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



63.4510, 0.2553, 0.3002



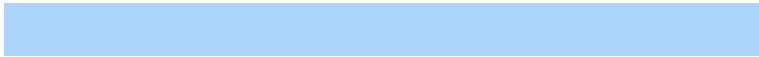
63.4510, 0.2612, 0.2832



63.4510, 0.2803, 0.2786

Triad

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



63.4510, 0.2612, 0.2832



63.4510, 0.3640, 0.3279



63.4510, 0.3142, 0.3773

Complementary

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



63.4510, 0.2612, 0.2832



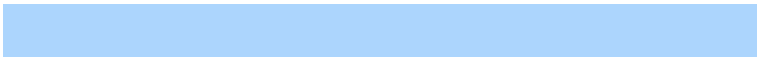
70.8841, 0.3736, 0.3706

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.



63.4510, 0.3440, 0.3836



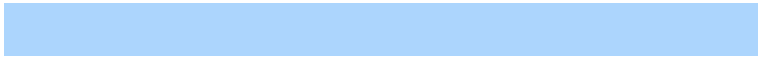
63.4510, 0.2612, 0.2832



63.4510, 0.3737, 0.3532

Square

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



63.4510, 0.2612, 0.2832



63.4510, 0.3398, 0.3039



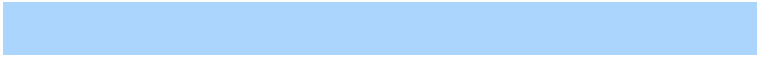
63.4510, 0.3662, 0.3739



63.4510, 0.2849, 0.3559

Rectangle

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



63.4510, 0.2612, 0.2832



63.4510, 0.2987, 0.2825



63.4510, 0.3662, 0.3739



63.4510, 0.3245, 0.3813

Sweetspot

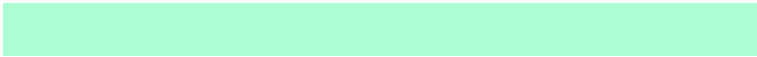
The Sweet Spot groups the original color and five complimentary colors.



63.4535, 0.2612, 0.2832



87.7206, 0.2971, 0.3163



83.7110, 0.2877, 0.3769



18.4260, 0.2949, 0.3144



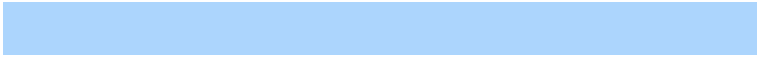
0.0000, 0.0000, 0.0000



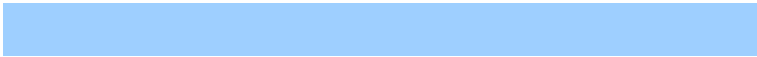
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4535, 0.2612, 0.2832



59.2373, 0.2514, 0.2731



45.8453, 0.2554, 0.2355



18.9003, 0.2979, 0.3170



12.3165, 0.1777, 0.1597



1.4179, 0.1834, 0.1801

Inverse Universe

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



55.1609, 0.3494, 0.2866



50.2642, 0.3588, 0.2785



93.2461, 0.3616, 0.4080



18.1408, 0.3214, 0.3170



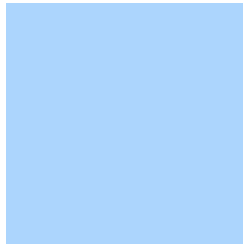
11.9713, 0.4934, 0.2492



1.1877, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 63.4510, 0.2612, 0.2832 looks on a white background.

Color Contrast Check

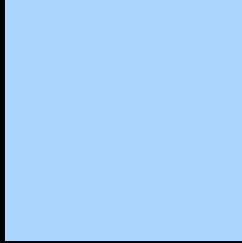
Large Text (above 18pt) WCAG AA × Fail

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 63.4510, 0.2612, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

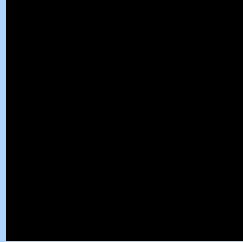
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

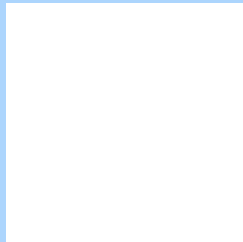
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4510, 0.2612, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 63.4510, 0.2612, 0.2832.



This preview shows how white text looks on a background with the Yxy color 63.4510, 0.2612, 0.2832.

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

63.4510, 0.2612, 0.2832

Protanopia

63.0620, 0.2802, 0.2824

Deuteranopia

63.3849, 0.2798, 0.2736



Tritanopia

63.3771, 0.2696, 0.3075

Trichromacy



Original Color

63.4510, 0.2612, 0.2832

Protanomaly

63.3219, 0.2727, 0.2829

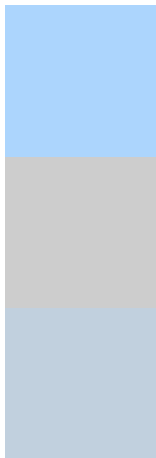
Deuteranomaly

63.1189, 0.2728, 0.2769

Tritanomaly

63.3868, 0.2662, 0.2984

Monochromacy



Original Color

63.4510, 0.2612, 0.2832

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.7231, 0.2924, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4510, 0.2612, 0.2832 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(172, 213, 253)` looks like.

```
.text, #text, p{  
    color:rgb(172, 213, 253)  
}
```

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(172, 213, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 213, 253) }
```

Border

The CSS property to change the border of an element to Yxy 63.4510, 0.2612, 0.2832 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(172, 213, 253) }
```

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

```
.border{ border-color:rgb(172, 213, 253) }
```

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

Here you see how a box with a 4 pixel rgb(172, 213, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 213, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 213, 253);  
box-shadow:4px 4px 4px 4px rgb(172, 213,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4510, 0.2612, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 213, 253) }
```

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

```
.background{ background-color: rgb(172,  
213, 253) }
```

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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