

Converting Colors

$Yxy(62.2665, 0.2488, 0.2818)$

Have a look what the booklet for
Yxy(62.2665, 0.2488, 0.2818)
contains.

Yxy(62.3049, 0.2486, 0.2820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.3049, 0.2486, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	96D7FF
RGB	150, 215, 255
RGB Percent	59%, 84%, 100%
CMY	0.4117, 0.1568, 0.0001
CMYK	0.41, 0.16, 0.00, 0.00
HSL	203°, 100%, 79%
HSV	203°, 41%, 100%
XYZ	54.9255, 62.3049, 103.7089
YIQ	200.1250, -51.5800, -1.3400

Conversions

Conversions Part 2

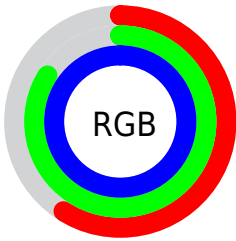
Format	Color
R _Y B	150, 190, 255
Decimal	9885695
CIE Lab	83.08, -10.58, -25.96
CIE LCh	83, 28.034, 247.827
Yxy	62.3049, 0.2486, 0.2820
Android (android.graphics.Color)	4288075775 (0xFF96D7FF)
YUV	200.1250, 27.0534, -43.9596
Hunter-Lab	78.9335, -13.9250, -22.6464

Details

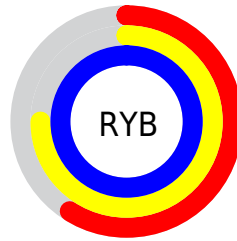
The Yxy color **62.3049, 0.2486, 0.2820** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.2742, 0.4009, 0.3710**, and the grayscale version is **57.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **31.5460, 0.2333, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **55.3469, 0.2342, 0.2682**, and if you desaturate by 10%, it is **70.0873, 0.2639, 0.2950**.

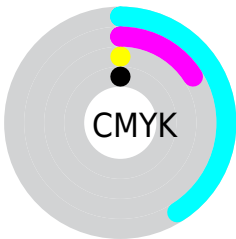
Distribution



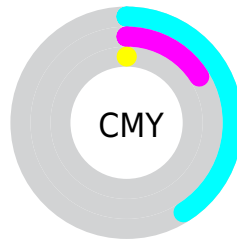
- Red (59%)
- Green (84%)
- Blue (100%)



- Red (59%)
- Yellow (75%)
- Blue (100%)



- Cyan (41%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3049, 0.2486, 0.2820 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 62.3049, 0.2486, 0.2820 by changing the saturation by 10% instead.

62.3049, 0.2486,
0.2820

62.3049, 0.2486,
0.2820

433.0424, 0.2783,
0.3045

45.2791, 0.2419,
0.2767

108.1661, 0.2589,
0.2899

31.6773, 0.2336,
0.2702

137.7703, 0.2629,
0.2930

21.1152, 0.2232,
0.2618

172.3360, 0.2663,
0.2956

13.2082, 0.2098,
0.2507

212.2478, 0.2693,
0.2978

7.5721, 0.1920,
0.2356

257.8899, 0.2720,
0.2998

3.8224, 0.1673,
0.2138

309.6467, 0.2743,

1.5747, 0.1317,

0.3016

0.1806

367.9028, 0.2764,
0.3031

0.3405, 0.0205,
0.1071

0.0000, 0.0000,
0.0000

62.3049, 0.2486,
0.2820

62.3049, 0.2486,
0.2820

55.3469, 0.2342,
0.2682

70.0873, 0.2639,
0.2950

49.1665, 0.2210,
0.2537

78.7232, 0.2796,
0.3070

43.7225, 0.2096,
0.2388

88.2488, 0.2953,
0.3180

38.9652, 0.2001,
0.2239

98.6955, 0.3109,
0.3279

■ 34.8359, 0.1928,
0.2092

99.9978, 0.3127,
0.3290

■ 31.6316, 0.1879,
0.1965

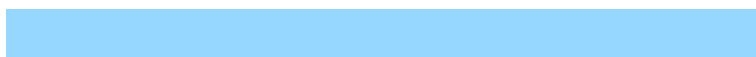
Harmonies

Analogous

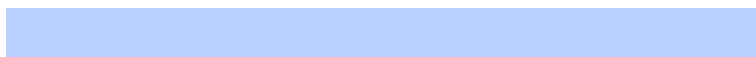
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3049, 0.2484, 0.3066



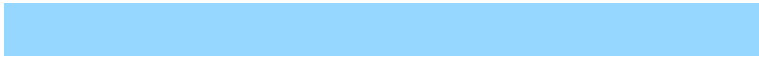
62.3049, 0.2486, 0.2820



62.3049, 0.2648, 0.2712

Triad

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



62.3049, 0.2486, 0.2820



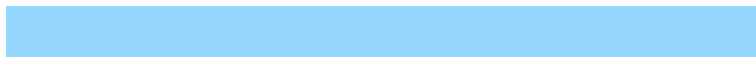
62.3049, 0.3627, 0.3159



62.3049, 0.3285, 0.3909

Complementary

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



62.3049, 0.2486, 0.2820



60.2742, 0.4009, 0.3710

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.



62.3049, 0.3608, 0.3899



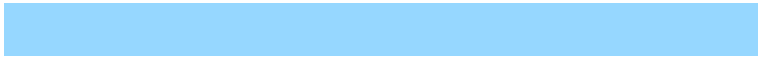
62.3049, 0.2486, 0.2820



62.3049, 0.3817, 0.3450

Square

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



62.3049, 0.2486, 0.2820



62.3049, 0.3300, 0.2908



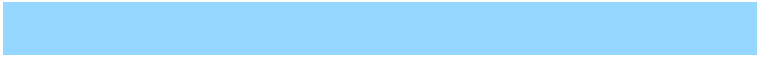
62.3049, 0.3807, 0.3722



62.3049, 0.2931, 0.3723

Rectangle

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



62.3049, 0.2486, 0.2820



62.3049, 0.2831, 0.2721



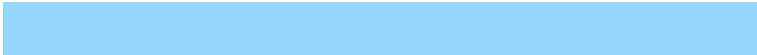
62.3049, 0.3807, 0.3722



62.3049, 0.3400, 0.3928

Sweetspot

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



62.3073, 0.2486, 0.2820



87.4413, 0.2940, 0.3171



81.6365, 0.2878, 0.4088



18.4407, 0.2920, 0.3157



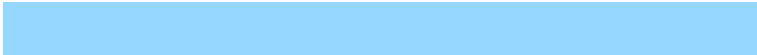
0.0000, 0.0000, 0.0000



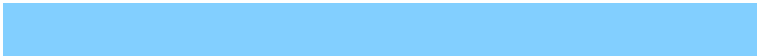
21.4041, 0.3127, 0.3290

Same Dimension

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



62.3073, 0.2486, 0.2820



56.8007, 0.2372, 0.2712



40.2589, 0.2383, 0.2186



19.2513, 0.2979, 0.3197



16.8305, 0.1886, 0.1989



1.8498, 0.1931, 0.2153

Inverse Universe

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



47.9789, 0.3528, 0.2628



41.7643, 0.3637, 0.2509



86.3507, 0.3796, 0.4193



18.1762, 0.3197, 0.3144



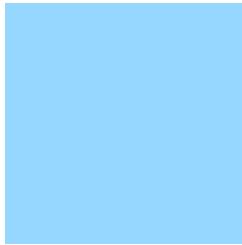
12.4270, 0.4466, 0.2234



1.2313, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 62.3049, 0.2486, 0.2820 looks on a white background.

Color Contrast Check

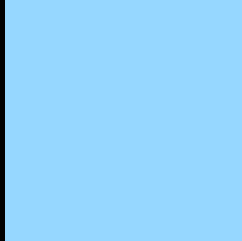
Large Text (above 18pt) WCAG AA × Fail

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 62.3049, 0.2486, 0.2820 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

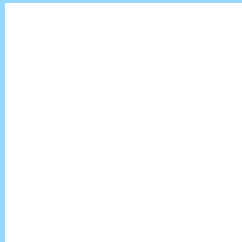
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.3049, 0.2486, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 62.3049, 0.2486, 0.2820.

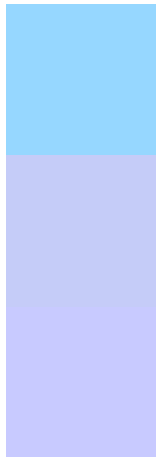


This preview shows how white text looks on a background with the Yxy color 62.3049, 0.2486, 0.2820.

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

62.3049, 0.2486, 0.2820

Protanopia

61.8334, 0.2787, 0.2799

Deuteranopia

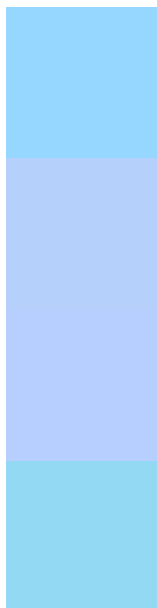
61.7404, 0.2764, 0.2709



Tritanopia

62.2187, 0.2559, 0.3069

Trichromacy



Original Color

62.3049, 0.2486, 0.2820

Protanomaly

61.7801, 0.2664, 0.2800

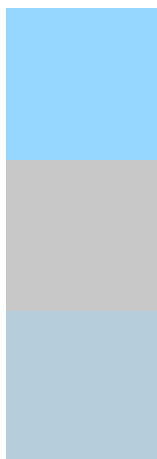
Deuteranomaly

61.7907, 0.2653, 0.2748

Tritanomaly

62.2998, 0.2533, 0.2976

Monochromacy



Original Color

62.3049, 0.2486, 0.2820

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.7750, 0.2859, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3049, 0.2486, 0.2820 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(150, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 215, 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(150, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.3049, 0.2486, 0.2820 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(150, 215, 255) }
```

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

```
.border{ border-color:rgb(150, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3049, 0.2486, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 215, 255) }
```

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

```
.background{ background-color: rgb(150,  
215, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor