

Converting Colors

Yxy(58.8284, 0.2447, 0.2742)

Have a look what the booklet for
Yxy(58.8284, 0.2447, 0.2742)
contains.

Yxy(58.8407, 0.2448, 0.2742)	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(58.8407, 0.2448, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	91D1FF
RGB	145, 209, 255
RGB Percent	57%, 82%, 100%
CMY	0.4313, 0.1804, 0.0000
CMYK	0.43, 0.18, 0.00, 0.00
HSL	205°, 100%, 78%
HSV	205°, 43%, 100%
XYZ	52.5317, 58.8407, 103.2180
YIQ	195.1080, -52.9100, 0.7380

Conversions

Conversions Part 2

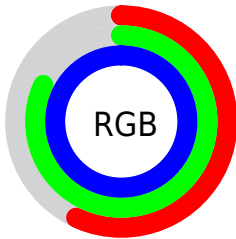
Format	Color
R_{YB}	145, 185, 255
Decimal	9556479
CIE _{Lab}	81.20, -8.65, -28.88
CIE _{LCh}	81, 30.146, 253.316
Y _{xy}	58.8407, 0.2448, 0.2742
Android (android.graphics.Color)	4287746559 (0xFF91D1FF)
YUV	195.1080, 29.5268, -43.9447
Hunter-Lab	76.7077, -11.9963, -26.0853

Details

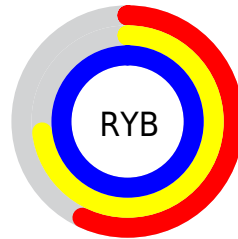
The Yxy color **58.8407, 0.2448, 0.2742** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5720, 0.4046, 0.3771**, and the grayscale version is **54.4866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **29.5946, 0.2289, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **51.7192, 0.2301, 0.2587**, and if you desaturate by 10%, it is **66.8334, 0.2603, 0.2888**.

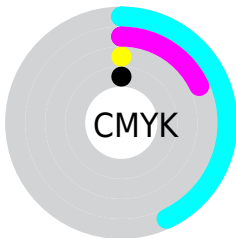
Distribution



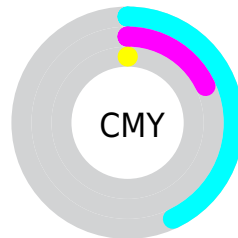
- Red (57%)
- Green (82%)
- Blue (100%)



- Red (57%)
- Yellow (73%)
- Blue (100%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8407, 0.2448, 0.2742 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 58.8407, 0.2448, 0.2742 by changing the saturation by 10% instead.

 58.8407, 0.2448,
0.2742


 58.8407, 0.2448,
0.2742


420.3113, 0.2765,
0.3005

 42.4849, 0.2376,
0.2680


 103.1461, 0.2558,
0.2835

 29.4812, 0.2287,
0.2604


 131.8645, 0.2601,
0.2870

 19.4451, 0.2175,
0.2506


165.4725, 0.2638,
0.2901

 11.9923, 0.2030,
0.2377

204.3546, 0.2670,
0.2927

 6.7385, 0.1837,
0.2202

248.8951, 0.2698,
0.2950

 3.2991, 0.1570,
0.1951

299.4785, 0.2723,

 1.2898, 0.1190,

0.2970

0.1575

356.4891, 0.2745,
0.2988

0.1333, 0.0000,
0.0465

0.0000, 0.0000,
0.0000

58.8407, 0.2448,
0.2742

58.8407, 0.2448,
0.2742

51.7192, 0.2301,
0.2587

66.8334, 0.2603,
0.2888

45.4254, 0.2167,
0.2426

75.7343, 0.2763,
0.3023

39.9132, 0.2050,
0.2261

85.5797, 0.2922,
0.3146

35.1296, 0.1954,
0.2097

96.4032, 0.3079,
0.3258

■ 31.0115, 0.1881,
0.1937

100.0000, 0.3127,
0.3290

■ 28.5096, 0.1842,
0.1830

Harmonies

Analogous

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



58.8407, 0.2413, 0.2983



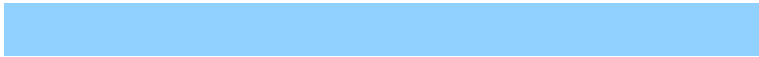
58.8407, 0.2448, 0.2742



58.8407, 0.2652, 0.2656

Triad

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



58.8407, 0.2448, 0.2742



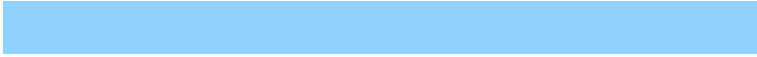
58.8407, 0.3728, 0.3202



58.8407, 0.3226, 0.3950

Complementary

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



58.8407, 0.2448, 0.2742



60.5720, 0.4046, 0.3771

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.



58.8407, 0.3594, 0.3976



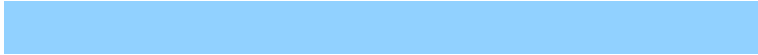
58.8407, 0.2448, 0.2742



58.8407, 0.3899, 0.3520

Square

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



58.8407, 0.2448, 0.2742



58.8407, 0.3387, 0.2918



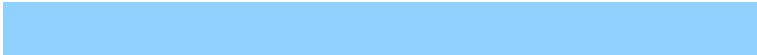
58.8407, 0.3845, 0.3805



58.8407, 0.2846, 0.3709

Rectangle

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



58.8407, 0.2448, 0.2742



58.8407, 0.2866, 0.2685



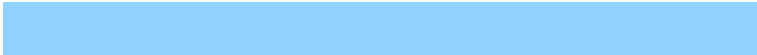
58.8407, 0.3845, 0.3805



58.8407, 0.3355, 0.3984

Sweetspot

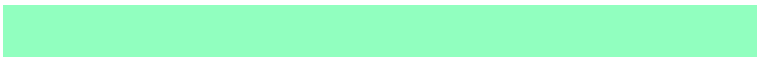
The Sweet Spot groups the original color and five complimentary colors.



58.8412, 0.2448, 0.2742



85.7167, 0.2924, 0.3148



81.2954, 0.2841, 0.4064



17.8634, 0.2889, 0.3122



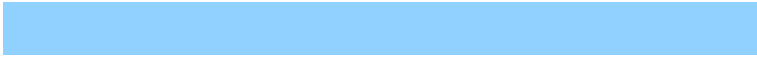
0.0000, 0.0000, 0.0000



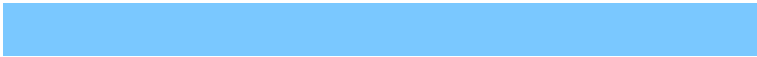
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8412, 0.2448, 0.2742



52.4835, 0.2317, 0.2605



36.4107, 0.2332, 0.2055



19.1335, 0.2979, 0.3188



15.1988, 0.1849, 0.1855



1.6959, 0.1899, 0.2035

Inverse Universe

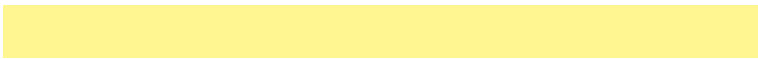
The Inverse Universe completely reimagines the original color for something new.



46.1178, 0.3595, 0.2637



39.4262, 0.3735, 0.2512



89.1155, 0.3807, 0.4281



18.1643, 0.3203, 0.3153



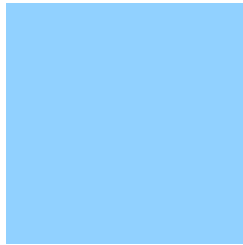
12.2623, 0.4620, 0.2319



1.2157, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 58.8407, 0.2448, 0.2742 looks on a white background.

Color Contrast Check

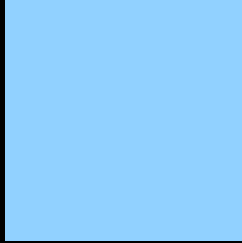
Large Text (above 18pt) WCAG AA × Fail

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 58.8407, 0.2448, 0.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

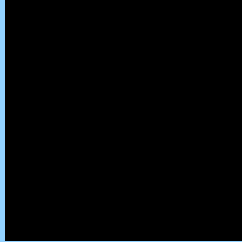
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

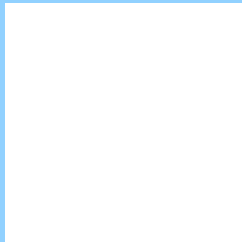
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8407, 0.2448, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 58.8407, 0.2448, 0.2742.



This preview shows how white text looks on a background with the Yxy color 58.8407, 0.2448, 0.2742.

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

58.8407, 0.2448, 0.2742

Protanopia

58.4430, 0.2729, 0.2733

Deuteranopia

58.2289, 0.2699, 0.2641



Tritanopia

58.7049, 0.2544, 0.3075

Trichromacy



Original Color

58.8407, 0.2448, 0.2742

Protanomaly

58.5611, 0.2615, 0.2734

Deuteranomaly

57.9920, 0.2596, 0.2670

Tritanomaly

58.9817, 0.2512, 0.2957

Monochromacy



Original Color

58.8407, 0.2448, 0.2742

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.6654, 0.2840, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8407, 0.2448, 0.2742 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(145, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 209, 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(145, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.8407, 0.2448, 0.2742 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(145, 209, 255) }
```

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

```
.border{ border-color:rgb(145, 209, 255) }
```

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

Here you see how a box with a 4 pixel rgb(145, 209, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8407, 0.2448, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 209, 255) }
```

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

```
.background{ background-color: rgb(145,  
209, 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