

Converting Colors

$Yxy(63.8651, 0.2514, 0.2901)$

Have a look what the booklet for
Yxy(63.8651, 0.2514, 0.2901)
contains.

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Color

Yxy(63.6872, 0.2516, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	97DAFB
RGB	151, 218, 251
RGB Percent	59%, 85%, 98%
CMY	0.4077, 0.1451, 0.0156
CMYK	0.40, 0.13, 0.00, 0.02
HSL	200°, 93%, 79%
HSV	200°, 40%, 98%
XYZ	55.2541, 63.6872, 100.6697
YIQ	201.7290, -50.5250, -3.9410

Conversions

Conversions Part 2

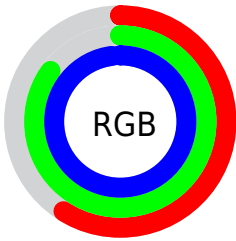
Format	Color
RYB	151, 191, 251
Decimal	9951995
CIELab	83.80, -12.89, -22.77
CIELCh	84, 26.160, 240.488
Yxy	63.6872, 0.2516, 0.2900
Android (android.graphics.Color)	4288142075 (0xFF97DAFB)
YUV	201.7290, 24.2906, -44.4893
Hunter-Lab	79.8043, -16.0693, -18.9288

Details

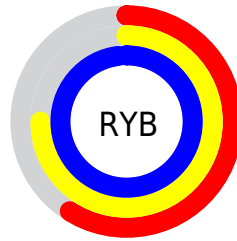
The Yxy color **63.6872, 0.2516, 0.2900** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.0594, 0.3993, 0.3643**, and the grayscale version is **58.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **32.5223, 0.2377, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **57.3435, 0.2377, 0.2782**, and if you desaturate by 10%, it is **70.7624, 0.2665, 0.3011**.

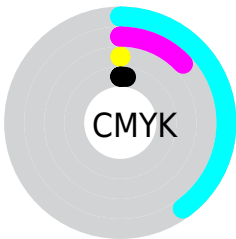
Distribution



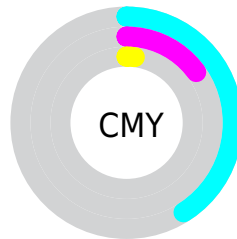
- Red (59%)
- Green (85%)
- Blue (98%)



- Red (59%)
- Yellow (75%)
- Blue (98%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)




- Cyan (41%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6872, 0.2516, 0.2900 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 63.6872, 0.2516, 0.2900 by changing the saturation by 10% instead.


 63.6872, 0.2516,
0.2900


 63.6872, 0.2516,
0.2900

438.0592, 0.2798,
0.3088

 46.3974, 0.2452,
0.2856


 110.1603, 0.2614,
0.2966

 32.5595, 0.2373,
0.2800


 140.1124, 0.2652,
0.2992

 21.7892, 0.2275,
0.2729


175.0541, 0.2685,
0.3014

 13.7021, 0.2147,
0.2634

215.3696, 0.2713,
0.3033

 7.9138, 0.1976,
0.2504

261.4435, 0.2738,
0.3049

 4.0398, 0.1739,
0.2313

313.6602, 0.2761,

 1.6959, 0.1394,

0.3063

0.2014

372.4039, 0.2781,
0.3076

0.4210, 0.0284,
0.1396

0.0000, 0.0000,
0.0000

63.6872, 0.2516,
0.2900

63.6872, 0.2516,
0.2900

57.3435, 0.2377,
0.2782

70.7624, 0.2665,
0.3011

51.6880, 0.2250,
0.2659

78.5945, 0.2819,
0.3113

46.6835, 0.2141,
0.2532

87.2167, 0.2975,
0.3207

42.2850, 0.2051,
0.2404

96.6574, 0.3130,
0.3291

■ 38.4393, 0.1982,
0.2277

■ 99.7468, 0.3150,
0.3328

■ 35.0626, 0.1931,
0.2152

■ 35.0089, 0.1931,
0.2150

Harmonies

Analogous

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



63.6872, 0.2552, 0.3155



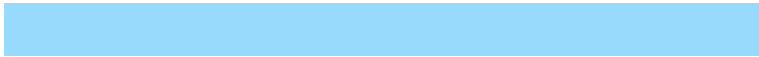
63.6872, 0.2516, 0.2900



63.6872, 0.2632, 0.2765

Triad

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



63.6872, 0.2516, 0.2900



63.6872, 0.3525, 0.3106



63.6872, 0.3354, 0.3876

Complementary

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



63.6872, 0.2516, 0.2900



57.0594, 0.3993, 0.3643

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.



63.6872, 0.3632, 0.3827



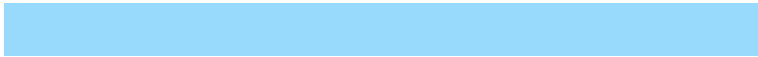
63.6872, 0.2516, 0.2900



63.6872, 0.3738, 0.3374

Square

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



63.6872, 0.2516, 0.2900



63.6872, 0.3205, 0.2889



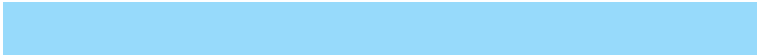
63.6872, 0.3777, 0.3637



63.6872, 0.3025, 0.3746

Rectangle

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



63.6872, 0.2516, 0.2900



63.6872, 0.2785, 0.2750



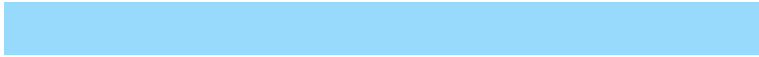
63.6872, 0.3777, 0.3637



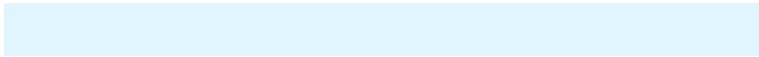
63.6872, 0.3457, 0.3879

Sweetspot

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



63.6897, 0.2516, 0.2900



88.3702, 0.2941, 0.3187



79.0011, 0.2910, 0.4120



18.6598, 0.2920, 0.3175



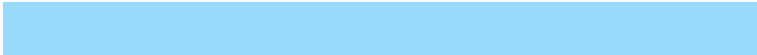
0.0000, 0.0000, 0.0000



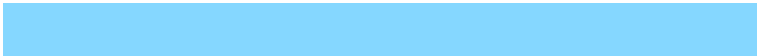
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6897, 0.2516, 0.2900



60.5534, 0.2401, 0.2804



42.0622, 0.2421, 0.2291



18.5856, 0.2980, 0.3210



18.6755, 0.1936, 0.2171



1.9237, 0.1978, 0.2320

Inverse Universe

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



47.7207, 0.3463, 0.2602



42.8097, 0.3559, 0.2466



80.8559, 0.3793, 0.4120



17.4213, 0.3189, 0.3132



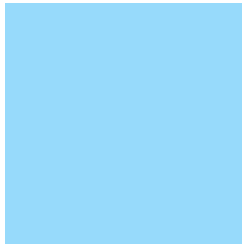
12.2962, 0.4264, 0.2123



1.1584, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 63.6872, 0.2516, 0.2900 looks on a white background.

Color Contrast Check

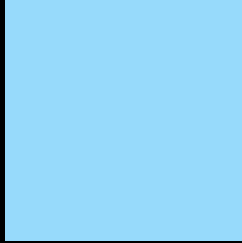
Large Text (above 18pt) WCAG AA × Fail

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 63.6872, 0.2516, 0.2900 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

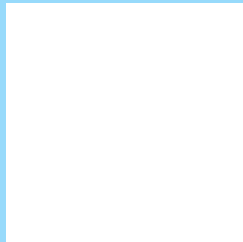
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6872, 0.2516, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 63.6872, 0.2516, 0.2900.



This preview shows how white text looks on a background with the Yxy color 63.6872, 0.2516, 0.2900.

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

63.6872, 0.2516, 0.2900

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

63.3206, 0.2804, 0.2746



Tritanopia

63.6553, 0.2569, 0.3071

Trichromacy



Original Color

63.6872, 0.2516, 0.2900

Protanomaly

62.8143, 0.2713, 0.2879

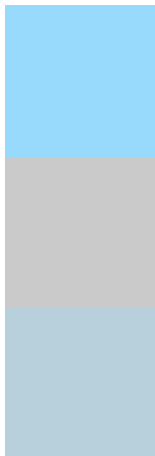
Deuteranomaly

63.0071, 0.2685, 0.2795

Tritanomaly

63.5237, 0.2547, 0.3001

Monochromacy



Original Color

63.6872, 0.2516, 0.2900

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.3463, 0.2868, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6872, 0.2516, 0.2900 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(151, 218, 251)` looks like.

```
.text, #text, p{  
    color:rgb(151, 218, 251)  
}
```

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(151, 218, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 218, 251) }
```

Border

The CSS property to change the border of an element to Yxy 63.6872, 0.2516, 0.2900 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(151, 218, 251) }
```

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

```
.border{ border-color:rgb(151, 218, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 218, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 218, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 218, 251);  
box-shadow:4px 4px 4px 4px rgb(151, 218,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6872, 0.2516, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 218, 251) }
```

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

```
.background{ background-color: rgb(151,  
218, 251) }
```

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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