

Converting Colors

$Y_{xy}(62.3085, 0.2567, 0.2971)$

Have a look what the booklet for
Yxy(62.3085, 0.2567, 0.2971)
contains.

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Color

Yxy(62.2948, 0.2568, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	99D8F2
RGB	153, 216, 242
RGB Percent	60%, 85%, 95%
CMY	0.3999, 0.1529, 0.0511
CMYK	0.37, 0.11, 0.00, 0.05
HSL	198°, 77%, 77%
HSV	198°, 37%, 95%
XYZ	53.7183, 62.2948, 93.1703
YIQ	200.1270, -45.8940, -5.2700

Conversions

Conversions Part 2

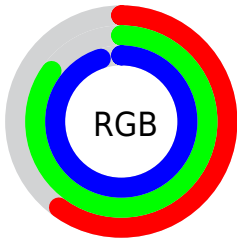
Format	Color
R _Y B	153, 190, 242
Decimal	10082546
CIE Lab	83.07, -13.63, -19.07
CIE LCh	83, 23.437, 234.436
Yxy	62.2948, 0.2568, 0.2978
Android (android.graphics.Color)	4288272626 (0xFF99D8F2)
YUV	200.1270, 20.6434, -41.3304
Hunter-Lab	78.9271, -16.6340, -14.7406

Details

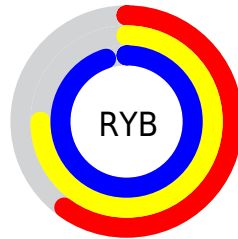
The Yxy color **62.2948, 0.2568, 0.2978** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4067, 0.3918, 0.3578**, and the grayscale version is **57.7359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **31.6316, 0.2435, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **56.6344, 0.2430, 0.2877**, and if you desaturate by 10%, it is **68.5930, 0.2715, 0.3073**.

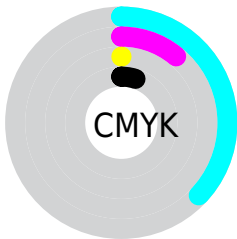
Distribution



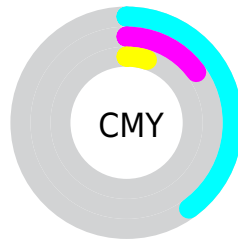
- Red (60%)
- Green (85%)
- Blue (95%)



- Red (60%)
- Yellow (75%)
- Blue (95%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2948, 0.2568, 0.2978 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 62.2948, 0.2568, 0.2978 by changing the saturation by 10% instead.

62.2948, 0.2568,
0.2978

62.2948, 0.2568,
0.2978

433.0056, 0.2828,
0.3130

45.2709, 0.2508,
0.2942

108.1515, 0.2658,
0.3032

31.6709, 0.2435,
0.2896

137.7531, 0.2694,
0.3053

21.1102, 0.2342,
0.2836

172.3161, 0.2724,
0.3070

13.2046, 0.2221,
0.2757

212.2249, 0.2750,
0.3086

7.5696, 0.2058,
0.2644

257.8638, 0.2773,
0.3099

3.8208, 0.1827,
0.2477

309.6173, 0.2794,

1.5738, 0.1483,

0.3111

0.2204

367.8698, 0.2812,
0.3121

0.3399, 0.0000,
0.1512

0.0000, 0.0000,
0.0000

62.2948, 0.2568,
0.2978

62.2948, 0.2568,
0.2978

56.6344, 0.2430,
0.2877

68.5930, 0.2715,
0.3073

51.5735, 0.2304,
0.2771

75.5503, 0.2868,
0.3160

47.0805, 0.2195,
0.2661

83.1955, 0.3023,
0.3240

43.1169, 0.2105,
0.2549

91.5535, 0.3177,
0.3313

■ 39.6379, 0.2034,
0.2438

■ 96.8630, 0.3206,
0.3380

■ 36.5871, 0.1984,
0.2328

■ 99.1888, 0.3203,
0.3415

■ 35.6619, 0.1970,
0.2293

Harmonies

Analogous

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



62.2948, 0.2629, 0.3226



62.2948, 0.2568, 0.2978



62.2948, 0.2647, 0.2830

Triad

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



62.2948, 0.2568, 0.2978



62.2948, 0.3433, 0.3079



62.2948, 0.3390, 0.3821

Complementary

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



62.2948, 0.2568, 0.2978



53.4067, 0.3918, 0.3578

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.



62.2948, 0.3622, 0.3750



62.2948, 0.2568, 0.2978



62.2948, 0.3650, 0.3318

Square

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



62.2948, 0.2568, 0.2978



62.2948, 0.3137, 0.2895



62.2948, 0.3720, 0.3561



62.2948, 0.3096, 0.3735

Rectangle

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



62.2948, 0.2568, 0.2978



62.2948, 0.2771, 0.2799



62.2948, 0.3720, 0.3561



62.2948, 0.3478, 0.3814

Sweetspot

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



62.2972, 0.2568, 0.2978



89.9495, 0.2956, 0.3207



73.4826, 0.2940, 0.4081



19.0022, 0.2935, 0.3196



0.0000, 0.0000, 0.0000



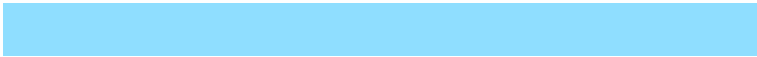
21.4041, 0.3127, 0.3290

Same Dimension

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



62.2972, 0.2568, 0.2978



65.4165, 0.2465, 0.2904



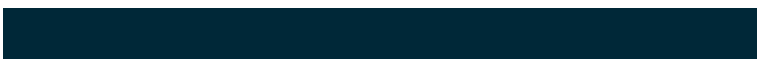
42.8005, 0.2489, 0.2422



17.1041, 0.2981, 0.3219



19.4110, 0.1975, 0.2311



1.7856, 0.2015, 0.2455

Inverse Universe

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



46.6195, 0.3397, 0.2622



46.1322, 0.3470, 0.2491



73.7851, 0.3748, 0.4027



15.9482, 0.3183, 0.3124



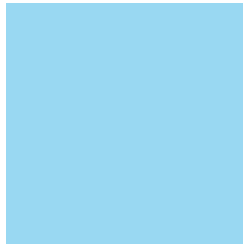
11.7529, 0.4115, 0.2041



0.9950, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 62.2948, 0.2568, 0.2978 looks on a white background.

Color Contrast Check

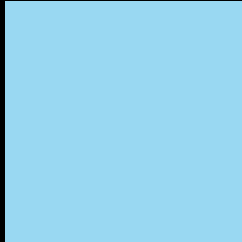
Large Text (above 18pt) WCAG AA × Fail

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 62.2948, 0.2568, 0.2978 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 62.2948, 0.2568, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 62.2948, 0.2568, 0.2978.

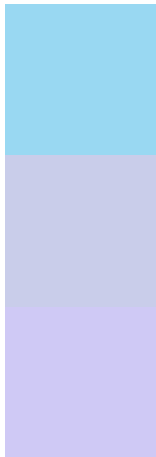


This preview shows how white text looks on a background with the Yxy color 62.2948, 0.2568, 0.2978.

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

62.2948, 0.2568, 0.2978

Protanopia

62.0207, 0.2902, 0.2962

Deuteranopia

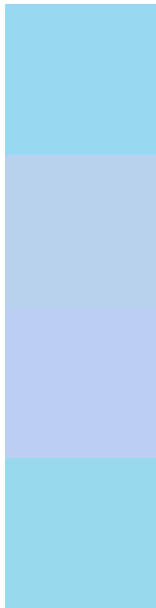
61.6313, 0.2872, 0.2805



Tritanopia

62.2032, 0.2595, 0.3070

Trichromacy



Original Color

62.2948, 0.2568, 0.2978

Protanomaly

61.9057, 0.2771, 0.2965

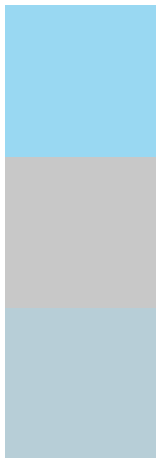
Deuteranomaly

61.2391, 0.2746, 0.2856

Tritanomaly

62.4742, 0.2585, 0.3035

Monochromacy



Original Color

62.2948, 0.2568, 0.2978

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.1162, 0.2898, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2948, 0.2568, 0.2978 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(153, 216, 242)` looks like.

```
.text, #text, p{  
    color:rgb(153, 216, 242)  
}
```

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(153, 216, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 216, 242) }
```

Border

The CSS property to change the border of an element to Yxy 62.2948, 0.2568, 0.2978 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(153, 216, 242) }
```

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

```
.border{ border-color:rgb(153, 216, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 216, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 216, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 216, 242);  
box-shadow:4px 4px 4px 4px rgb(153, 216,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2948, 0.2568, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 216, 242) }
```

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

```
.background{ background-color: rgb(153,  
216, 242) }
```

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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