

Converting Colors

$Y_{xy}(58.5278, 0.2605, 0.3031)$

Have a look what the booklet for
Yxy(58.5278, 0.2605, 0.3031)
contains.

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Color

Yxy(58.4420, 0.2604, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	97D2E7
RGB	151, 210, 231
RGB Percent	59%, 82%, 91%
CMY	0.4079, 0.1764, 0.0942
CMYK	0.35, 0.09, 0.00, 0.09
HSL	196°, 62%, 75%
HSV	196°, 35%, 91%
XYZ	50.2254, 58.4420, 84.2105
YIQ	194.7530, -41.9050, -5.9770

Conversions

Conversions Part 2

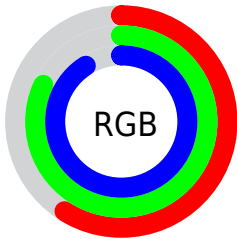
Format	Color
RYB	151, 185, 231
Decimal	9949927
CIELab	80.98, -13.80, -16.37
CIElCh	81, 21.411, 229.865
Yxy	58.4420, 0.2604, 0.3030
Android (android.graphics.Color)	4288140007 (0xFF97D2E7)
YUV	194.7530, 17.8698, -38.3714
Hunter-Lab	76.4474, -16.5096, -11.7977

Details

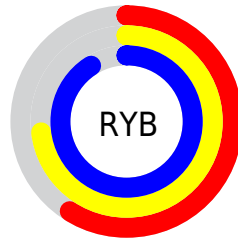
The Yxy color **58.4420, 0.2604, 0.3030** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6964, 0.3865, 0.3533**, and the grayscale version is **54.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **29.0792, 0.2480, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **53.5153, 0.2467, 0.2941**, and if you desaturate by 10%, it is **63.9191, 0.2750, 0.3113**.

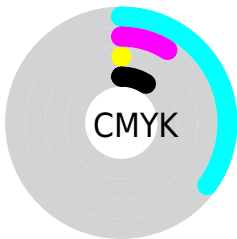
Distribution



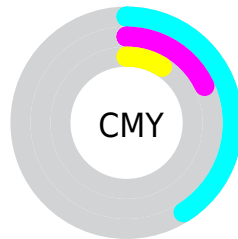
- Red (59%)
- Green (82%)
- Blue (91%)



- Red (59%)
- Yellow (73%)
- Blue (91%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)





- Cyan (41%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4420, 0.2604, 0.3030 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 58.4420, 0.2604, 0.3030 by changing the saturation by 10% instead.


 58.4420, 0.2604,
0.3030


 58.4420, 0.2604,
0.3030


418.8309, 0.2851,
0.3159

 42.1641, 0.2547,
0.2998

 102.5662, 0.2690,
0.3076

 29.2298, 0.2475,
0.2958


 131.1813, 0.2724,
0.3094

 19.2547, 0.2385,
0.2906


164.6777, 0.2752,
0.3109

 11.8545, 0.2265,
0.2835

203.4396, 0.2777,
0.3122

 6.6447, 0.2101,
0.2732

247.8514, 0.2799,
0.3133

 3.2409, 0.1864,
0.2574

298.2977, 0.2818,

 1.2588, 0.1499,

0.3143

0.2304

355.1627, 0.2835,
0.3151

■ 0.1089, 0.0000,
0.0776

■ 0.0000, 0.0000,
0.0000

■ 58.4420, 0.2604,
0.3030

■ 58.4420, 0.2604,
0.3030

■ 53.5153, 0.2467,
0.2941

■ 63.9191, 0.2750,
0.3113

■ 49.1055, 0.2343,
0.2848

■ 69.9643, 0.2902,
0.3190

■ 45.1856, 0.2234,
0.2751

■ 76.6027, 0.3056,
0.3260

■ 41.7228, 0.2144,
0.2653

■ 83.8558, 0.3210,
0.3323

■ 38.6791, 0.2073,
0.2554

■ 89.5050, 0.3283,
0.3382

■ 36.0083, 0.2023,
0.2456

■ 93.1325, 0.3277,
0.3440

■ 34.6905, 0.2001,
0.2404

■ 96.8800, 0.3271,
0.3498

■ 98.5478, 0.3268,
0.3523

Harmonies

Analogous

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



58.4420, 0.2681, 0.3271



58.4420, 0.2604, 0.3030



58.4420, 0.2658, 0.2874

Triad

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



58.4420, 0.2604, 0.3030



58.4420, 0.3373, 0.3062



58.4420, 0.3412, 0.3784

Complementary

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



58.4420, 0.2604, 0.3030



48.6964, 0.3865, 0.3533

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.



58.4420, 0.3612, 0.3699



58.4420, 0.2604, 0.3030



58.4420, 0.3592, 0.3282

Square

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



58.4420, 0.2604, 0.3030



58.4420, 0.3093, 0.2900



58.4420, 0.3680, 0.3512



58.4420, 0.3141, 0.3726

Rectangle

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



58.4420, 0.2604, 0.3030



58.4420, 0.2763, 0.2832



58.4420, 0.3680, 0.3512



58.4420, 0.3490, 0.3770

Sweetspot

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



58.4443, 0.2604, 0.3030



91.2919, 0.2972, 0.3223



66.6507, 0.2965, 0.4061



19.2915, 0.2950, 0.3213



0.0000, 0.0000, 0.0000



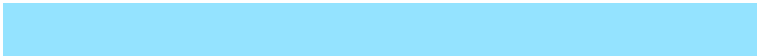
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4443, 0.2604, 0.3030



68.4134, 0.2499, 0.2963



41.4608, 0.2536, 0.2519



15.6638, 0.2981, 0.3227



19.6660, 0.2005, 0.2419



1.6023, 0.2045, 0.2562

Inverse Universe

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



43.7630, 0.3354, 0.2638



47.9513, 0.3420, 0.2497



65.7912, 0.3717, 0.3956



14.5474, 0.3178, 0.3118



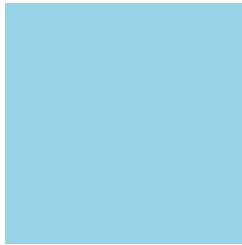
11.1830, 0.4003, 0.1979



0.8414, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 58.4420, 0.2604, 0.3030 looks on a white background.

Color Contrast Check

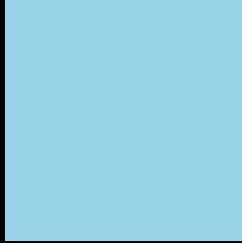
Large Text (above 18pt) WCAG AA × Fail

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 58.4420, 0.2604, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

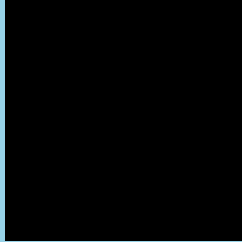
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4420, 0.2604, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 58.4420, 0.2604, 0.3030.



This preview shows how white text looks on a background with the Yxy color 58.4420, 0.2604, 0.3030.

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

58.4420, 0.2604, 0.3030

Protanopia

58.0990, 0.2937, 0.2999

Deuteranopia

58.2577, 0.2921, 0.2860



Tritanopia

58.6186, 0.2622, 0.3090

Trichromacy



Original Color

58.4420, 0.2604, 0.3030

Protanomaly

57.9612, 0.2800, 0.3003

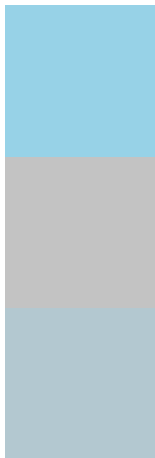
Deuteranomaly

57.9708, 0.2795, 0.2914

Tritanomaly

58.6740, 0.2616, 0.3078

Monochromacy



Original Color

58.4420, 0.2604, 0.3030

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.4463, 0.2913, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4420, 0.2604, 0.3030 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, 210, 231)` looks like.

```
.text, #text, p{  
    color:rgb(151, 210, 231)  
}
```

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, 210, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 210, 231) }
```

Border

The CSS property to change the border of an element to Yxy 58.4420, 0.2604, 0.3030 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, 210, 231) }
```

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

```
.border{ border-color:rgb(151, 210, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 210, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 210, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 210, 231);  
box-shadow:4px 4px 4px 4px rgb(151, 210,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4420, 0.2604, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 210, 231) }
```

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

```
.background{ background-color: rgb(151,  
210, 231) }
```

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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