

Converting Colors

$Y_{xy}(52.4765, 0.2619, 0.3060)$

Have a look what the booklet for
Yxy(52.4765, 0.2619, 0.3060)
contains.

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Color

Yxy(52.2998, 0.2618, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	90C8DA
RGB	144, 200, 218
RGB Percent	56%, 78%, 85%
CMY	0.4351, 0.2157, 0.1450
CMYK	0.34, 0.08, 0.00, 0.15
HSL	195°, 50%, 71%
HSV	195°, 34%, 85%
XYZ	44.8186, 52.2998, 74.0757
YIQ	185.3080, -39.1540, -6.2740

Conversions

Conversions Part 2

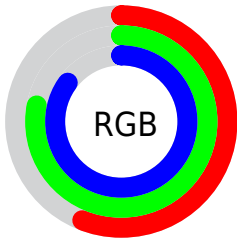
Format	Color
RYB	144, 176, 218
Decimal	9488602
CIELab	77.46, -13.67, -14.76
CIELCh	77, 20.121, 227.202
Yxy	52.2998, 0.2618, 0.3055
Android (android.graphics.Color)	4287678682 (0xFF90C8DA)
YUV	185.3080, 16.1172, -36.2271
Hunter-Lab	72.3186, -15.9342, -10.1075

Details

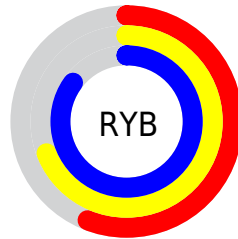
The Yxy color **52.2998, 0.2618, 0.3055** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7912, 0.3847, 0.3511**, and the grayscale version is **48.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **25.3758, 0.2485, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **48.1053, 0.2483, 0.2974**, and if you desaturate by 10%, it is **56.9631, 0.2763, 0.3131**.

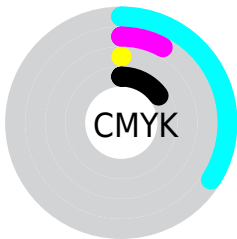
Distribution



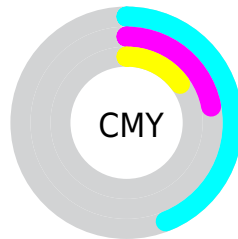
- Red (56%)
- Green (78%)
- Blue (85%)



- Red (56%)
- Yellow (69%)
- Blue (85%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)




- Cyan (44%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2998, 0.2618, 0.3055 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 52.2998, 0.2618, 0.3055 by changing the saturation by 10% instead.

 52.2998, 0.2618,
0.3055

 52.2998, 0.2618,
0.3055


395.5929, 0.2863,
0.3174

 37.2441, 0.2560,
0.3025


 93.5732, 0.2705,
0.3098

 25.3965, 0.2487,
0.2987

 120.5597, 0.2738,
0.3115

 16.3727, 0.2392,
0.2935


152.2920, 0.2767,
0.3128

 9.7883, 0.2266,
0.2864

189.1544, 0.2791,
0.3140

 5.2588, 0.2089,
0.2759

231.5312, 0.2813,
0.3150

 2.3999, 0.1826,
0.2589

279.8070, 0.2831,

 0.8258, 0.1265,

0.3159

0.2315

334.3661, 0.2848,
0.3167

0.0000, 0.0000,
0.0000

52.2998, 0.2618,
0.3055

52.2998, 0.2618,
0.3055

48.1053, 0.2483,
0.2974

56.9631, 0.2763,
0.3131

44.3506, 0.2360,
0.2888

62.1100, 0.2913,
0.3202

41.0128, 0.2252,
0.2799

67.7621, 0.3067,
0.3266

38.0639, 0.2163,
0.2708

73.9378, 0.3220,
0.3325

35.4717, 0.2094,
0.2617

80.6544, 0.3372,
0.3377

■ 33.1971, 0.2044,
0.2527

■ 83.9650, 0.3378,
0.3429

■ 31.9324, 0.2020,
0.2472

■ 86.9996, 0.3370,
0.3481

■ 90.1254, 0.3363,
0.3532

■ 93.3433, 0.3355,
0.3583

Harmonies

Analogous

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



52.2998, 0.2705, 0.3295



52.2998, 0.2618, 0.3055



52.2998, 0.2660, 0.2893

Triad

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



52.2998, 0.2618, 0.3055



52.2998, 0.3344, 0.3051



52.2998, 0.3426, 0.3770

Complementary

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



52.2998, 0.2618, 0.3055



42.7912, 0.3847, 0.3511

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.



52.2998, 0.3612, 0.3677



52.2998, 0.2618, 0.3055



52.2998, 0.3566, 0.3262

Square

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



52.2998, 0.2618, 0.3055



52.2998, 0.3070, 0.2899



52.2998, 0.3665, 0.3488



52.2998, 0.3166, 0.3725

Rectangle

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



52.2998, 0.2618, 0.3055



52.2998, 0.2756, 0.2846



52.2998, 0.3665, 0.3488



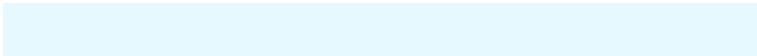
52.2998, 0.3500, 0.3752

Sweetspot

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



52.3019, 0.2618, 0.3055



91.5791, 0.2972, 0.3227



58.6713, 0.2976, 0.4057



19.3613, 0.2950, 0.3218



0.0000, 0.0000, 0.0000



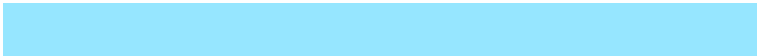
21.4041, 0.3127, 0.3290

Same Dimension

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



52.3019, 0.2618, 0.3055



70.0736, 0.2516, 0.2995



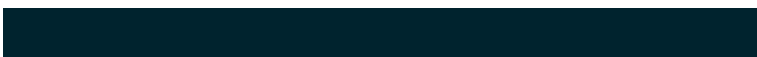
37.4668, 0.2554, 0.2558



14.2639, 0.2982, 0.3232



19.3030, 0.2024, 0.2486



1.3817, 0.2065, 0.2632

Inverse Universe

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



39.0395, 0.3334, 0.2639



48.9028, 0.3393, 0.2498



57.4468, 0.3706, 0.3927



13.2178, 0.3175, 0.3115



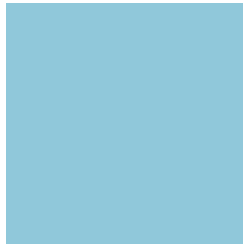
10.5724, 0.3937, 0.1942



0.6982, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 52.2998, 0.2618, 0.3055 looks on a white background.

Color Contrast Check

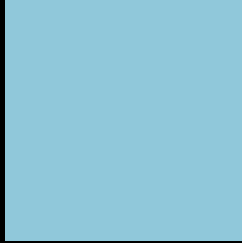
Large Text (above 18pt) WCAG AA × Fail

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 52.2998, 0.2618, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

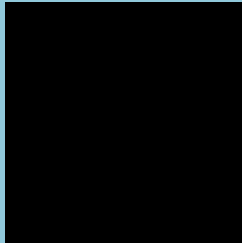
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

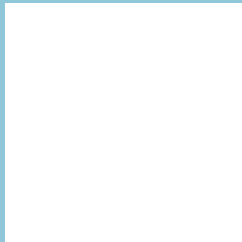
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2998, 0.2618, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 52.2998, 0.2618, 0.3055.



This preview shows how white text looks on a background with the Yxy color 52.2998, 0.2618, 0.3055.

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

52.2998, 0.2618, 0.3055

Protanopia

51.7897, 0.2957, 0.3021

Deuteranopia

51.9404, 0.2940, 0.2875



Tritanopia

52.1957, 0.2629, 0.3081

Trichromacy



Original Color

52.2998, 0.2618, 0.3055

Protanomaly

51.7656, 0.2819, 0.3026

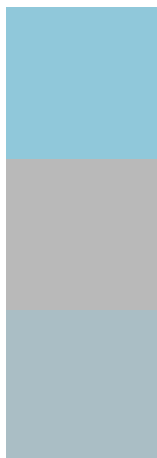
Deuteranomaly

51.6590, 0.2807, 0.2932

Tritanomaly

52.2476, 0.2624, 0.3068

Monochromacy



Original Color

52.2998, 0.2618, 0.3055

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.4042, 0.2918, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2998, 0.2618, 0.3055 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(144, 200, 218)` looks like.

```
.text, #text, p{  
    color:rgb(144, 200, 218)  
}
```

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(144, 200, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 200, 218) }
```

Border

The CSS property to change the border of an element to Yxy 52.2998, 0.2618, 0.3055 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(144, 200, 218) }
```

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

```
.border{ border-color:rgb(144, 200, 218) }
```

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

Here you see how a box with a 4 pixel rgb(144, 200, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 200, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 200, 218);  
box-shadow:4px 4px 4px 4px rgb(144, 200,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2998, 0.2618, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 200, 218) }
```

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

```
.background{ background-color: rgb(144,  
200, 218) }
```

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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