

Converting Colors

$Yxy(72.0653, 0.2594, 0.3133)$

Have a look what the booklet for
Yxy(72.0653, 0.2594, 0.3133)
contains.

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Color

Yxy(72.0997, 0.2598, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	9DE9F6
RGB	157, 233, 246
RGB Percent	62%, 91%, 96%
CMY	0.3840, 0.0863, 0.0352
CMYK	0.36, 0.05, 0.00, 0.04
HSL	189°, 83%, 79%
HSV	189°, 36%, 96%
XYZ	59.6925, 72.0997, 97.9710
YIQ	211.7580, -49.4690, -12.0690

Conversions

Conversions Part 2

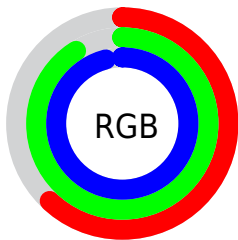
Format	Color
R _Y B	157, 198, 246
Decimal	10349046
CIE _{Lab}	88.02, -20.16, -13.74
CIE _{LCh}	88, 24.402, 214.279
Y _{xy}	72.0997, 0.2598, 0.3138
Android (android.graphics.Color)	4288539126 (0xFF9DE9F6)
YUV	211.7580, 16.8813, -48.0228
Hunter-Lab	84.9115, -23.1104, -8.9708

Details

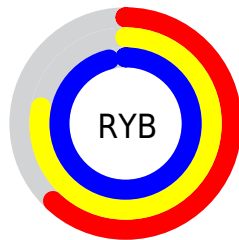
The Yxy color **72.0997, 0.2598, 0.3138** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.8277, 0.3953, 0.3434**, and the grayscale version is **65.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **37.9287, 0.2475, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **67.8504, 0.2475, 0.3089**, and if you desaturate by 10%, it is **76.8947, 0.2734, 0.3184**.

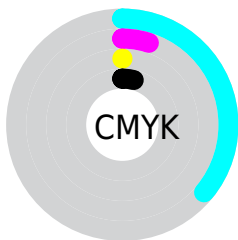
Distribution



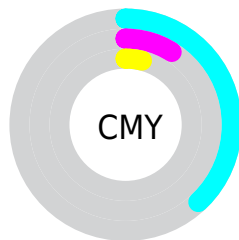
- Red (62%)
- Green (91%)
- Blue (96%)



- Red (62%)
- Yellow (78%)
- Blue (96%)



- Cyan (36%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (38%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0997, 0.2598, 0.3138 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 72.0997, 0.2598, 0.3138 by changing the saturation by 10% instead.


 72.0997, 0.2598,
0.3138


 72.0997, 0.2598,
0.3138

467.8885, 0.2839,
0.3213

 53.2401, 0.2544,
0.3120


 122.1983, 0.2681,
0.3165

 37.9945, 0.2478,
0.3096


 154.2060, 0.2713,
0.3175

 25.9784, 0.2396,
0.3066

191.3654, 0.2741,
0.3184

 16.8075, 0.2290,
0.3025

234.0606, 0.2765,
0.3192

 10.0973, 0.2149,
0.2968

282.6761, 0.2787,
0.3198

 5.4635, 0.1954,
0.2880


337.5964, 0.2806,

 2.5217, 0.1667,

0.3204

0.2734


399.2057, 0.2823,
0.3209

 0.8875, 0.0997,
0.2520


 0.0000, 0.0000,
0.0000


 72.0997, 0.2598,
0.3138


 72.0997, 0.2598,
0.3138

 67.8504, 0.2475,
0.3089


 76.8947, 0.2734,
0.3184

 64.1079, 0.2367,
0.3038

 82.2545, 0.2880,
0.3228

 60.8415, 0.2277,
0.2986

 88.2079, 0.3032,
0.3267

 58.0133, 0.2207,
0.2934

 94.6845, 0.3184,
0.3304

■ 55.5789, 0.2156,
0.2881

■ 96.9154, 0.3182,
0.3338

■ 53.4834, 0.2123,
0.2829

■ 99.1891, 0.3179,
0.3372

■ 52.7333, 0.2114,
0.2809

■ 99.4348, 0.3179,
0.3376

Harmonies

Analogous

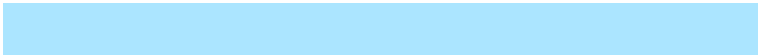
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0997, 0.2747, 0.3417



72.0997, 0.2598, 0.3138



72.0997, 0.2583, 0.2920

Triad

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



72.0997, 0.2598, 0.3138



72.0997, 0.3236, 0.2949



72.0997, 0.3554, 0.3785

Complementary

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



72.0997, 0.2598, 0.3138



50.8277, 0.3953, 0.3434

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.



72.0997, 0.3700, 0.3630



72.0997, 0.2598, 0.3138



72.0997, 0.3514, 0.3155

Square

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



72.0997, 0.2598, 0.3138



72.0997, 0.2940, 0.2825



72.0997, 0.3687, 0.3399



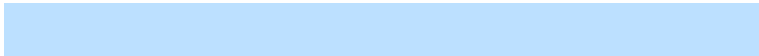
72.0997, 0.3295, 0.3807

Rectangle

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



72.0997, 0.2598, 0.3138



72.0997, 0.2650, 0.2834



72.0997, 0.3687, 0.3399



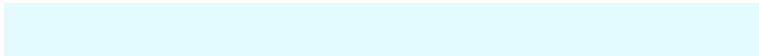
72.0997, 0.3618, 0.3746

Sweetspot

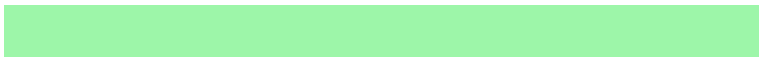
The Sweet Spot groups the original color and five complimentary colors.



72.1025, 0.2598, 0.3138



92.4685, 0.2957, 0.3248



75.9612, 0.3014, 0.4236



19.6054, 0.2936, 0.3243



0.0000, 0.0000, 0.0000



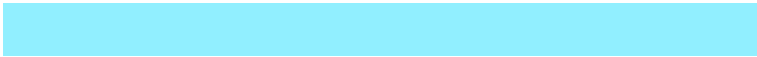
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1025, 0.2598, 0.3138



74.9661, 0.2511, 0.3104



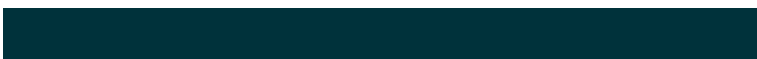
50.5278, 0.2523, 0.2607



18.3197, 0.2980, 0.3254



28.3051, 0.2116, 0.2818



2.5982, 0.2134, 0.2883

Inverse Universe

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



49.6230, 0.3278, 0.2511



47.8460, 0.3314, 0.2367



69.8283, 0.3785, 0.3887



16.7241, 0.3160, 0.3090



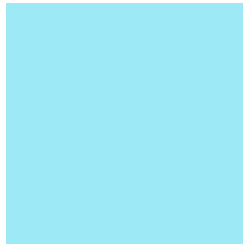
12.9568, 0.3618, 0.1767



1.1499, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 72.0997, 0.2598, 0.3138 looks on a white background.

Color Contrast Check

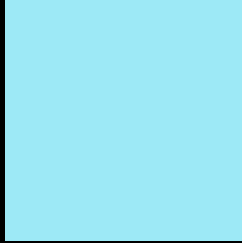
Large Text (above 18pt) WCAG AA × Fail

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 72.0997, 0.2598, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

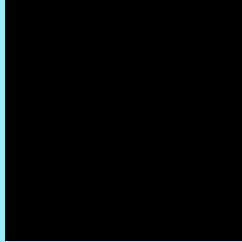
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0997, 0.2598, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 72.0997, 0.2598, 0.3138.

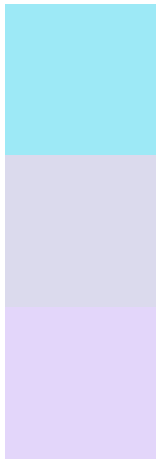


This preview shows how white text looks on a background with the Yxy color 72.0997, 0.2598, 0.3138.

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

72.0997, 0.2598, 0.3138

Protanopia

71.3173, 0.3010, 0.3086

Deuteranopia

71.3262, 0.2983, 0.2915



Tritanopia

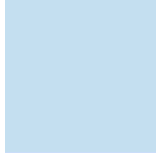
71.9474, 0.2577, 0.3071

Trichromacy



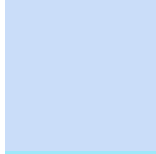
Original Color

72.0997, 0.2598, 0.3138



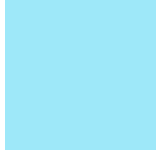
Protanomaly

70.8024, 0.2841, 0.3100



Deuteranomaly

71.1090, 0.2826, 0.2985



Tritanomaly

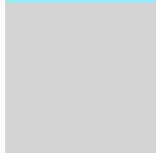
71.8219, 0.2586, 0.3093

Monochromacy



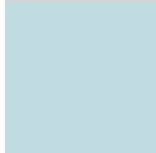
Original Color

72.0997, 0.2598, 0.3138



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.7747, 0.2909, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0997, 0.2598, 0.3138 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(157, 233, 246)` looks like.

```
.text, #text, p{  
    color:rgb(157, 233, 246)  
}
```

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(157, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 233, 246) }
```

Border

The CSS property to change the border of an element to Yxy 72.0997, 0.2598, 0.3138 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(157, 233, 246) }
```

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

```
.border{ border-color:rgb(157, 233, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(157, 233,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0997, 0.2598, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 233, 246) }
```

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

```
.background{ background-color: rgb(157,  
233, 246) }
```

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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