

Converting Colors

$Yxy(78.3042, 0.2646, 0.3239)$

Have a look what the booklet for
Yxy(78.3042, 0.2646, 0.3239)
contains.

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Color

Yxy(78.1122, 0.2642, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	A4F2F7
RGB	164, 242, 247
RGB Percent	64%, 95%, 97%
CMY	0.3568, 0.0510, 0.0313
CMYK	0.34, 0.02, 0.00, 0.03
HSL	184°, 84%, 81%
HSV	184°, 34%, 97%
XYZ	63.8529, 78.1122, 99.7187
YIQ	219.2480, -48.0930, -14.9810

Conversions

Conversions Part 2

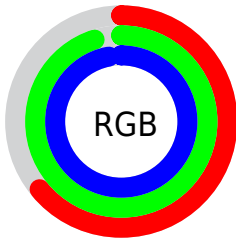
Format	Color
RYB	164, 204, 247
Decimal	10810103
CIELab	90.83, -22.57, -10.03
CIElCh	91, 24.699, 203.965
Yxy	78.1122, 0.2642, 0.3232
Android (android.graphics.Color)	4289000183 (0xFFA4F2F7)
YUV	219.2480, 13.6817, -48.4525
Hunter-Lab	88.3811, -25.7057, -5.0290

Details

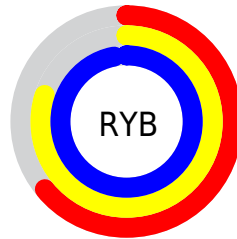
The Yxy color **78.1122, 0.2642, 0.3232** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.8415, 0.3901, 0.3347**, and the grayscale version is **70.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **42.0675, 0.2533, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **74.8528, 0.2524, 0.3212**, and if you desaturate by 10%, it is **81.8954, 0.2775, 0.3251**.

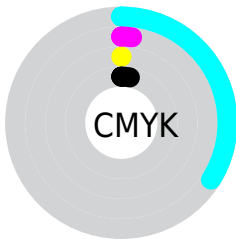
Distribution



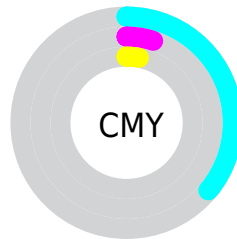
- Red (64%)
- Green (95%)
- Blue (97%)



- Red (64%)
- Yellow (80%)
- Blue (97%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)





- Cyan (36%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1122, 0.2642, 0.3232 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 78.1122, 0.2642, 0.3232 by changing the saturation by 10% instead.


 78.1122, 0.2642,
0.3232


 78.1122, 0.2642,
0.3232


488.5478, 0.2860,
0.3263

 58.1662, 0.2594,
0.3224


 130.7083, 0.2716,
0.3243

 41.9422, 0.2535,
0.3214


 164.1271, 0.2746,
0.3248

 29.0561, 0.2461,
0.3201


202.8056, 0.2771,
0.3251

 19.1232, 0.2368,
0.3182

247.1283, 0.2793,
0.3254

 11.7594, 0.2244,
0.3155

297.4794, 0.2813,
0.3257

 6.5800, 0.2073,
0.3112

354.2434, 0.2831,

 3.2009, 0.1823,

0.3259

0.3039

417.8048, 0.2846,
0.3261

1.2375, 0.1384,
0.2909

0.0920, 0.0000,
0.1030

78.1122, 0.2642,
0.3232

78.1122, 0.2642,
0.3232

74.8528, 0.2524,
0.3212

81.8954, 0.2775,
0.3251

72.0783, 0.2422,
0.3192

86.2204, 0.2919,
0.3268

69.7589, 0.2338,
0.3171

91.1156, 0.3071,
0.3285

67.8580, 0.2275,
0.3151

95.0926, 0.3178,
0.3299

■ 66.3328, 0.2230,
0.3130

■ 96.0135, 0.3177,
0.3314

■ 65.1314, 0.2204,
0.3110

■ 96.9417, 0.3176,
0.3328

■ 64.4841, 0.2194,
0.3097

■ 97.8773, 0.3175,
0.3342

■ 98.8202, 0.3174,
0.3356

■ 99.4964, 0.3173,
0.3366

Harmonies

Analogous

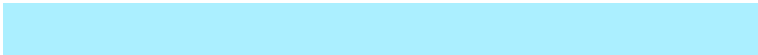
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1122, 0.2830, 0.3509



78.1122, 0.2642, 0.3232



78.1122, 0.2580, 0.2989

Triad

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



78.1122, 0.2642, 0.3232



78.1122, 0.3132, 0.2901



78.1122, 0.3613, 0.3738

Complementary

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



78.1122, 0.2642, 0.3232



50.8415, 0.3901, 0.3347

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.



78.1122, 0.3706, 0.3552



78.1122, 0.2642, 0.3232



78.1122, 0.3422, 0.3080

Square

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



78.1122, 0.2642, 0.3232



78.1122, 0.2853, 0.2814



78.1122, 0.3636, 0.3314



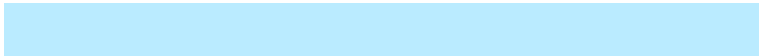
78.1122, 0.3389, 0.3809

Rectangle

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



78.1122, 0.2642, 0.3232



78.1122, 0.2615, 0.2878



78.1122, 0.3636, 0.3314



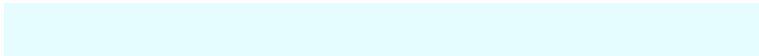
78.1122, 0.3661, 0.3686

Sweetspot

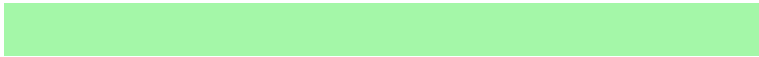
The Sweet Spot groups the original color and five complimentary colors.



78.1153, 0.2642, 0.3232



94.5017, 0.2973, 0.3274



77.2575, 0.3058, 0.4244



20.0727, 0.2951, 0.3272



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.



78.1153, 0.2642, 0.3232



81.6445, 0.2564, 0.3219



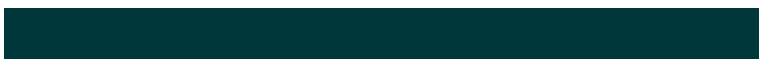
56.5517, 0.2579, 0.2749



18.5762, 0.2981, 0.3275



34.1754, 0.2195, 0.3100



3.0548, 0.2202, 0.3126

Inverse Universe

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



52.7417, 0.3207, 0.2499



50.8720, 0.3224, 0.2353



68.3841, 0.3755, 0.3775



16.7500, 0.3147, 0.3071



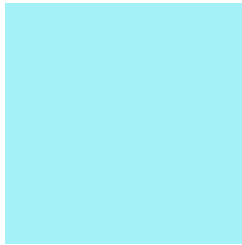
13.5494, 0.3367, 0.1628



1.1960, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 78.1122, 0.2642, 0.3232 looks on a white background.

Color Contrast Check

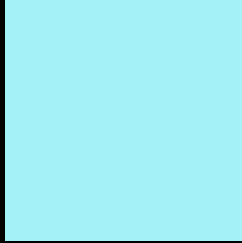
Large Text (above 18pt) WCAG AA × Fail

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 78.1122, 0.2642, 0.3232 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 78.1122, 0.2642, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 78.1122, 0.2642, 0.3232.

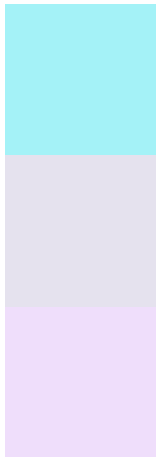


This preview shows how white text looks on a background with the Yxy color 78.1122, 0.2642, 0.3232.

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

78.1122, 0.2642, 0.3232

Protanopia

77.2238, 0.3071, 0.3165

Deuteranopia

77.5583, 0.3058, 0.2997



Tritanopia

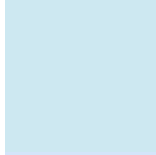
77.8340, 0.2670, 0.3102

Trichromacy



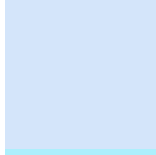
Original Color

78.1122, 0.2642, 0.3232



Protanomaly

77.0432, 0.2897, 0.3192



Deuteranomaly

76.9378, 0.2887, 0.3067



Tritanomaly

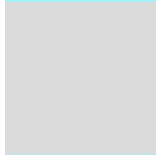
77.6455, 0.2659, 0.3144

Monochromacy



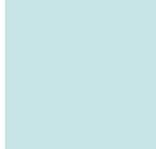
Original Color

78.1122, 0.2642, 0.3232



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.7374, 0.2927, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1122, 0.2642, 0.3232 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(164, 242, 247)` looks like.

```
.text, #text, p{  
    color:rgb(164, 242, 247)  
}
```

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(164, 242, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 242, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.1122, 0.2642, 0.3232 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(164, 242, 247) }
```

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

```
.border{ border-color:rgb(164, 242, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 242, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 242, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 242, 247);  
box-shadow:4px 4px 4px 4px rgb(164, 242,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1122, 0.2642, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 242, 247) }
```

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

```
.background{ background-color: rgb(164,  
242, 247) }
```

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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