

Converting Colors

$Y_{xy}(69.4555, 0.2522, 0.3164)$

Have a look what the booklet for
Yxy(69.4555, 0.2522, 0.3164)
contains.

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Color

Yxy(69.5273, 0.2523, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	8AE8F2
RGB	138, 232, 242
RGB Percent	54%, 91%, 95%
CMY	0.4592, 0.0901, 0.0509
CMYK	0.43, 0.04, 0.00, 0.05
HSL	186°, 80%, 74%
HSV	186°, 43%, 95%
XYZ	55.3542, 69.5273, 94.5168
YIQ	205.0340, -59.2340, -16.8180

Conversions

Conversions Part 2

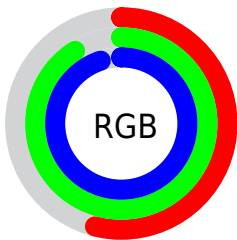
Format	Color
R _Y B	138, 187, 242
Decimal	9103602
CIE Lab	86.76, -25.40, -13.61
CIE LCh	87, 28.816, 208.175
Yxy	69.5273, 0.2523, 0.3169
Android (android.graphics.Color)	4287293682 (0xFF8AE8F2)
YUV	205.0340, 18.2242, -58.7888
Hunter-Lab	83.3830, -27.4223, -8.8386

Details

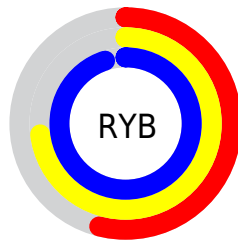
The Yxy color **69.5273, 0.2523, 0.3169** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8610, 0.4210, 0.3403**, and the grayscale version is **60.9717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **36.2581, 0.2383, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **66.3926, 0.2416, 0.3137**, and if you desaturate by 10%, it is **73.1444, 0.2646, 0.3200**.

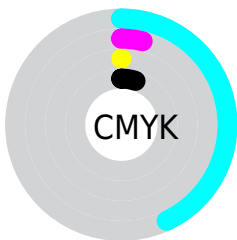
Distribution



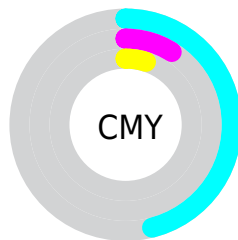
- Red (54%)
- Green (91%)
- Blue (95%)



- Red (54%)
- Yellow (73%)
- Blue (95%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





- Cyan (46%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5273, 0.2523, 0.3169 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 69.5273, 0.2523, 0.3169 by changing the saturation by 10% instead.


 69.5273, 0.2523,
0.3169

 69.5273, 0.2523,
0.3169


458.8885, 0.2799,
0.3232

 51.1413, 0.2461,
0.3153


 118.5344, 0.2618,
0.3192

 36.3210, 0.2385,
0.3132


 149.9243, 0.2655,
0.3201

 24.6822, 0.2291,
0.3105


186.4175, 0.2687,
0.3208

 15.8405, 0.2169,
0.3067

228.3986, 0.2715,
0.3214

 9.4113, 0.2007,
0.3012

276.2518, 0.2740,
0.3220

 5.0104, 0.1782,
0.2925

330.3616, 0.2762,

 2.2534, 0.1455,

0.3224

0.2774

391.1124, 0.2781,
0.3228

0.7489, 0.0322,
0.2627

0.0000, 0.0000,
0.0000

69.5273, 0.2523,
0.3169

69.5273, 0.2523,
0.3169

66.3926, 0.2416,
0.3137

73.1444, 0.2646,
0.3200

63.7013, 0.2327,
0.3103


77.2640, 0.2782,
0.3230

61.4212, 0.2257,
0.3070


81.9147, 0.2927,
0.3257


59.5123, 0.2207,
0.3036


87.1205, 0.3080,
0.3283

 57.9259, 0.2175,
0.3003


 92.1544, 0.3211,
0.3306

 56.9580, 0.2161,
0.2981

 93.5590, 0.3209,
0.3328

 94.9812, 0.3208,
0.3351

 96.4212, 0.3206,
0.3373

 97.8790, 0.3204,
0.3395

Harmonies

Analogous

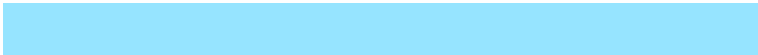
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5273, 0.2727, 0.3510



69.5273, 0.2523, 0.3169



69.5273, 0.2473, 0.2889

Triad

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



69.5273, 0.2523, 0.3169



69.5273, 0.3182, 0.2848



69.5273, 0.3684, 0.3852

Complementary

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



69.5273, 0.2523, 0.3169



41.8610, 0.4210, 0.3403

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.



69.5273, 0.3826, 0.3638



69.5273, 0.2523, 0.3169



69.5273, 0.3529, 0.3073

Square

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



69.5273, 0.2523, 0.3169



69.5273, 0.2837, 0.2726



69.5273, 0.3770, 0.3355



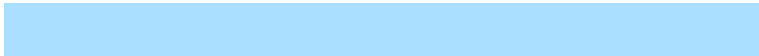
69.5273, 0.3394, 0.3922

Rectangle

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



69.5273, 0.2523, 0.3169



69.5273, 0.2530, 0.2771



69.5273, 0.3770, 0.3355



69.5273, 0.3752, 0.3793

Sweetspot

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



69.5300, 0.2523, 0.3169



92.2318, 0.2927, 0.3257



71.0012, 0.3021, 0.4520



19.4820, 0.2894, 0.3251



0.0000, 0.0000, 0.0000



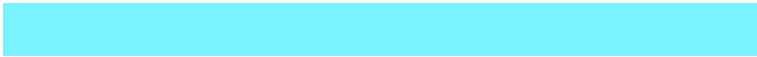
21.4041, 0.3127, 0.3290

Same Dimension

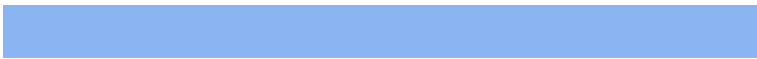
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5300, 0.2523, 0.3169



75.0508, 0.2425, 0.3139



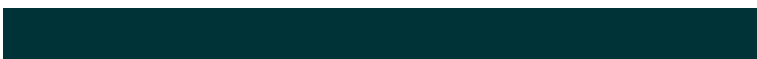
44.9702, 0.2414, 0.2520



17.6543, 0.2981, 0.3267



30.7059, 0.2163, 0.2986



2.6292, 0.2175, 0.3029

Inverse Universe

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



42.8568, 0.3265, 0.2322



41.7044, 0.3300, 0.2140



61.3912, 0.3956, 0.3947



16.0037, 0.3153, 0.3079



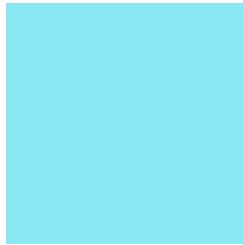
12.8931, 0.3466, 0.1683



1.0801, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 69.5273, 0.2523, 0.3169 looks on a white background.

Color Contrast Check

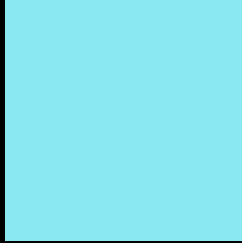
Large Text (above 18pt) WCAG AA × Fail

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 69.5273, 0.2523, 0.3169 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 69.5273, 0.2523, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 69.5273, 0.2523, 0.3169.

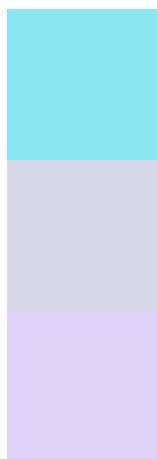


This preview shows how white text looks on a background with the Yxy color 69.5273, 0.2523, 0.3169.

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

69.5273, 0.2523, 0.3169

Protanopia

68.9693, 0.3028, 0.3115

Deuteranopia

68.9919, 0.2974, 0.2910



Tritanopia

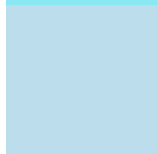
69.5668, 0.2498, 0.3076

Trichromacy



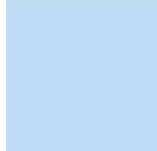
Original Color

69.5273, 0.2523, 0.3169



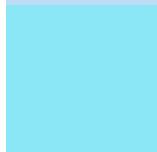
Protanomaly

68.4024, 0.2818, 0.3130



Deuteranomaly

68.4621, 0.2784, 0.2999



Tritanomaly

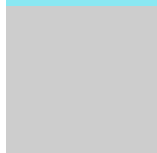
69.2946, 0.2507, 0.3111

Monochromacy



Original Color

69.5273, 0.2523, 0.3169



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.4866, 0.2870, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5273, 0.2523, 0.3169 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(138, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(138, 232, 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(138, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 69.5273, 0.2523, 0.3169 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(138, 232, 242) }
```

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

```
.border{ border-color:rgb(138, 232, 242) }
```

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

Here you see how a box with a 4 pixel rgb(138, 232, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(138, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5273, 0.2523, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 232, 242) }
```

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

```
.background{ background-color: rgb(138,  
232, 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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