

Converting Colors

$Yxy(69.9306, 0.2670, 0.3381)$

Have a look what the booklet for
Yxy(69.9306, 0.2670, 0.3381)
contains.

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Color

Yxy(69.7288, 0.2671, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	97E8E1
RGB	151, 232, 225
RGB Percent	59%, 91%, 88%
CMY	0.4076, 0.0902, 0.1177
CMYK	0.35, 0.00, 0.03, 0.09
HSL	175°, 64%, 75%
HSV	175°, 35%, 91%
XYZ	55.2166, 69.7288, 81.7809
YIQ	206.9830, -46.0290, -19.3490

Conversions

Conversions Part 2

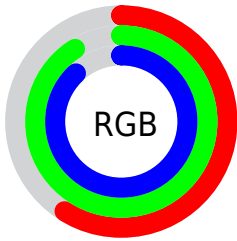
Format	Color
RYB	151, 193, 232
Decimal	9955553
CIELab	86.86, -26.18, -4.45
CIELCh	87, 26.551, 189.646
Yxy	69.7288, 0.2671, 0.3373
Android (android.graphics.Color)	4288145633 (0xFF97E8E1)
YUV	206.9830, 8.8824, -49.0971
Hunter-Lab	83.5038, -28.0990, 0.3859

Details

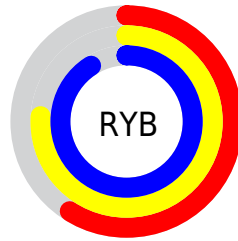
The Yxy color **69.7288, 0.2671, 0.3373** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.7766, 0.3885, 0.3212**, and the grayscale version is **62.3581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **36.4397, 0.2564, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **67.6162, 0.2568, 0.3401**, and if you desaturate by 10%, it is **72.2851, 0.2789, 0.3347**.

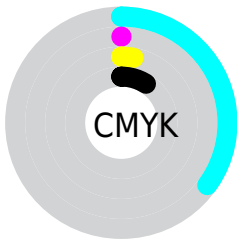
Distribution



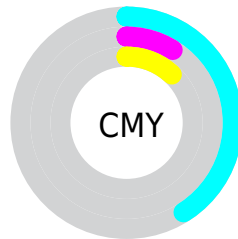
- Red (59%)
- Green (91%)
- Blue (88%)



- Red (59%)
- Yellow (76%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)




- Cyan (41%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7288, 0.2671, 0.3373 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 69.7288, 0.2671, 0.3373 by changing the saturation by 10% instead.


 69.7288, 0.2671,
0.3373


 69.7288, 0.2671,
0.3373


459.5972, 0.2882,
0.3337

 51.3055, 0.2623,
0.3381


 118.8219, 0.2744,
0.3361

 36.4518, 0.2564,
0.3390


 150.2605, 0.2772,
0.3356

 24.7833, 0.2489,
0.3401


186.8063, 0.2797,
0.3352

 15.9157, 0.2392,
0.3414

228.8437, 0.2818,
0.3348

 9.4645, 0.2261,
0.3430

276.7571, 0.2837,
0.3345

 5.0454, 0.2074,
0.3450

330.9309, 0.2853,

 2.2739, 0.1787,

0.3342

0.3471

391.7494, 0.2868,
0.3339

0.7599, 0.0418,
0.3814

0.0000, 0.0000,
0.0000

69.7288, 0.2671,
0.3373

69.7288, 0.2671,
0.3373

67.6162, 0.2568,
0.3401

72.2851, 0.2789,
0.3347

65.9131, 0.2481,
0.3429

75.3003, 0.2919,
0.3323

64.5939, 0.2413,
0.3459

78.7991, 0.3057,
0.3300

63.6266, 0.2365,
0.3488

82.8021, 0.3202,
0.3280

■ 62.9740, 0.2336,
0.3518

■ 84.9705, 0.3265,
0.3261

■ 62.5903, 0.2324,
0.3547

■ 85.0871, 0.3252,
0.3241

■ 62.4613, 0.2323,
0.3562

■ 85.2050, 0.3239,
0.3221

■ 85.3242, 0.3226,
0.3202

■ 85.4448, 0.3213,
0.3182

Harmonies

Analogous

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



69.7288, 0.2931, 0.3668



69.7288, 0.2671, 0.3373



69.7288, 0.2533, 0.3071

Triad

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



69.7288, 0.2671, 0.3373



69.7288, 0.2976, 0.2798



69.7288, 0.3741, 0.3700

Complementary

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



69.7288, 0.2671, 0.3373



41.7766, 0.3885, 0.3212

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.



69.7288, 0.3760, 0.3456



69.7288, 0.2671, 0.3373



69.7288, 0.3305, 0.2952

Square

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



69.7288, 0.2671, 0.3373



69.7288, 0.2702, 0.2759



69.7288, 0.3598, 0.3187



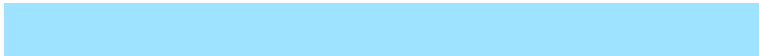
69.7288, 0.3551, 0.3851

Rectangle

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



69.7288, 0.2671, 0.3373



69.7288, 0.2524, 0.2912



69.7288, 0.3598, 0.3187



69.7288, 0.3768, 0.3625

Sweetspot

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



69.7316, 0.2671, 0.3373



95.3392, 0.2985, 0.3312



67.3332, 0.3130, 0.4321



20.2770, 0.2965, 0.3315



0.0000, 0.0000, 0.0000



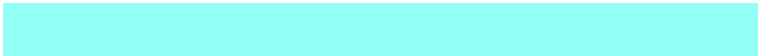
21.4041, 0.3127, 0.3290

Same Dimension

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



69.7316, 0.2671, 0.3373



84.4446, 0.2594, 0.3393



53.5431, 0.2581, 0.2885



16.3138, 0.2993, 0.3310



34.6870, 0.2322, 0.3557



2.5696, 0.2310, 0.3514

Inverse Universe

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



41.7766, 0.3885, 0.3212



44.8482, 0.4127, 0.3196



53.4365, 0.3828, 0.3660



14.3881, 0.3279, 0.3270



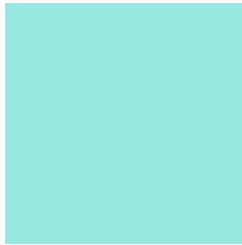
9.5600, 0.6302, 0.3245



0.7135, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 69.7288, 0.2671, 0.3373 looks on a white background.

Color Contrast Check

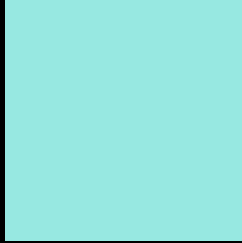
Large Text (above 18pt) WCAG AA × Fail

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 69.7288, 0.2671, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

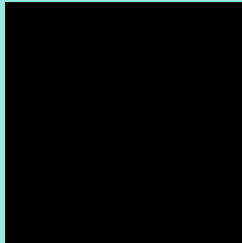
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7288, 0.2671, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 69.7288, 0.2671, 0.3373.



This preview shows how white text looks on a background with the Yxy color 69.7288, 0.2671, 0.3373.

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

69.7288, 0.2671, 0.3373

Protanopia

68.7228, 0.3164, 0.3290

Deuteranopia

68.9622, 0.3152, 0.3078



Tritanopia

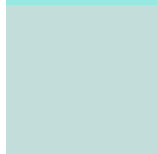
69.8219, 0.2581, 0.3080

Trichromacy



Original Color

69.7288, 0.2671, 0.3373



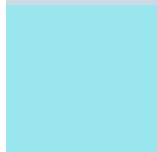
Protanomaly

68.4295, 0.2960, 0.3312



Deuteranomaly

68.4408, 0.2958, 0.3177



Tritanomaly

69.6956, 0.2612, 0.3182

Monochromacy



Original Color

69.7288, 0.2671, 0.3373



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.5316, 0.2936, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7288, 0.2671, 0.3373 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, 232, 225)` looks like.

```
.text, #text, p{  
    color:rgb(151, 232, 225)  
}
```

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, 232, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 232, 225) }
```

Border

The CSS property to change the border of an element to Yxy 69.7288, 0.2671, 0.3373 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, 232, 225) }
```

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

```
.border{ border-color:rgb(151, 232, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 232, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(151, 232,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7288, 0.2671, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 232, 225) }
```

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

```
.background{ background-color: rgb(151,  
232, 225) }
```

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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