

Converting Colors

$Y_{xy}(70.0322, 0.2706, 0.3379)$

Have a look what the booklet for
Yxy(70.0322, 0.2706, 0.3379)
contains.

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Color

Yxy(70.2631, 0.2708, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	9DE8E0
RGB	157, 232, 224
RGB Percent	62%, 91%, 88%
CMY	0.3844, 0.0902, 0.1217
CMYK	0.32, 0.00, 0.03, 0.09
HSL	174°, 62%, 76%
HSV	174°, 32%, 91%
XYZ	56.2105, 70.2631, 81.0984
YIQ	208.6630, -42.1320, -18.3880

Conversions

Conversions Part 2

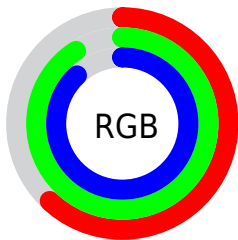
Format	Color
RYB	157, 197, 232
Decimal	10348768
CIELab	87.13, -24.82, -3.49
CIElCh	87, 25.061, 188.005
Yxy	70.2631, 0.2708, 0.3385
Android (android.graphics.Color)	4288538848 (0xFF9DE8E0)
YUV	208.6630, 7.5611, -45.3085
Hunter-Lab	83.8231, -26.9910, 1.3134

Details

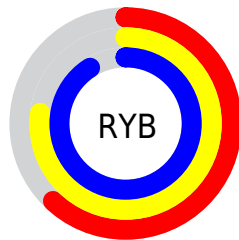
The Yxy color **70.2631, 0.2708, 0.3385** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.9856, 0.3792, 0.3200**, and the grayscale version is **63.4989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **36.7400, 0.2607, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **68.0159, 0.2603, 0.3419**, and if you desaturate by 10%, it is **72.9609, 0.2827, 0.3353**.

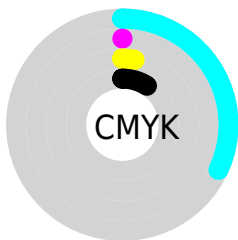
Distribution



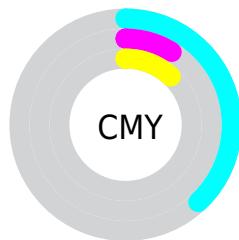
- Red (62%)
- Green (91%)
- Blue (88%)



- Red (62%)
- Yellow (77%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (38%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2631, 0.2708, 0.3385 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 70.2631, 0.2708, 0.3385 by changing the saturation by 10% instead.

 70.2631, 0.2708,
0.3385


 70.2631, 0.2708,
0.3385


461.4733, 0.2902,
0.3343

 51.7411, 0.2664,
0.3394


 119.5839, 0.2775,
0.3371

 36.7987, 0.2610,
0.3405


 151.1514, 0.2801,
0.3365

 25.0517, 0.2541,
0.3419


187.8362, 0.2824,
0.3360

 16.1156, 0.2451,
0.3436

230.0227, 0.2843,
0.3356

 9.6060, 0.2330,
0.3458

278.0952, 0.2860,
0.3352

 5.1385, 0.2156,
0.3487

332.4382, 0.2876,

 2.3288, 0.1889,

0.3349

393.4361, 0.2889,
0.3346

0.3525

0.7889, 0.0705,
0.3862

0.0000, 0.0000,
0.0000

70.2631, 0.2708,
0.3385

70.2631, 0.2708,
0.3385

68.0159, 0.2603,
0.3419

72.9609, 0.2827,
0.3353

66.1858, 0.2513,
0.3455

76.1242, 0.2957,
0.3323

64.7479, 0.2442,
0.3491

79.7772, 0.3094,
0.3296

63.6712, 0.2390,
0.3528

83.9402, 0.3237,
0.3271

■ 62.9200, 0.2357,
0.3566

■ 85.0581, 0.3256,
0.3247

■ 62.4512, 0.2343,
0.3603

■ 85.2040, 0.3240,
0.3223

■ 62.2308, 0.2342,
0.3631

■ 85.3519, 0.3224,
0.3199

■ 85.5018, 0.3208,
0.3175

■ 85.6537, 0.3192,
0.3151

Harmonies

Analogous

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



70.2631, 0.2959, 0.3657



70.2631, 0.2708, 0.3385



70.2631, 0.2570, 0.3099

Triad

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



70.2631, 0.2708, 0.3385



70.2631, 0.2969, 0.2820



70.2631, 0.3711, 0.3667

Complementary

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



70.2631, 0.2708, 0.3385



43.9856, 0.3792, 0.3200

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.



70.2631, 0.3718, 0.3434



70.2631, 0.2708, 0.3385



70.2631, 0.3278, 0.2960

Square

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



70.2631, 0.2708, 0.3385



70.2631, 0.2715, 0.2790



70.2631, 0.3557, 0.3180



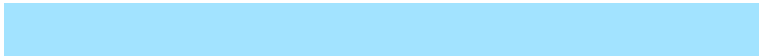
70.2631, 0.3540, 0.3814

Rectangle

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



70.2631, 0.2708, 0.3385



70.2631, 0.2556, 0.2945



70.2631, 0.3557, 0.3180



70.2631, 0.3733, 0.3595

Sweetspot

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



70.2659, 0.2708, 0.3385



95.3056, 0.2988, 0.3317



68.2318, 0.3139, 0.4232



20.2689, 0.2968, 0.3321



0.0000, 0.0000, 0.0000



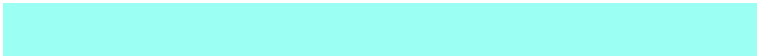
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2659, 0.2708, 0.3385



85.0956, 0.2634, 0.3408



55.8249, 0.2623, 0.2935



16.3084, 0.2996, 0.3315



34.5563, 0.2340, 0.3625



2.5613, 0.2325, 0.3571

Inverse Universe

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



43.9856, 0.3792, 0.3200



47.6470, 0.4002, 0.3180



54.6029, 0.3769, 0.3618



14.3930, 0.3276, 0.3265



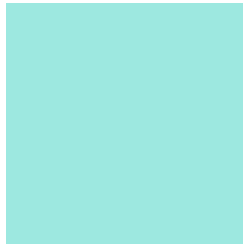
9.5717, 0.6270, 0.3228



0.7158, 0.5981, 0.3069

Previews

White Background



This preview shows how the Yxy color 70.2631, 0.2708, 0.3385 looks on a white background.

Color Contrast Check

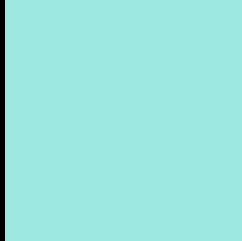
Large Text (above 18pt) WCAG AA × Fail

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 70.2631, 0.2708, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

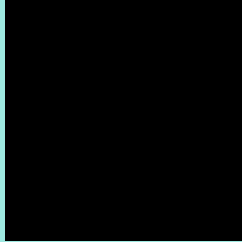
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2631, 0.2708, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 70.2631, 0.2708, 0.3385.

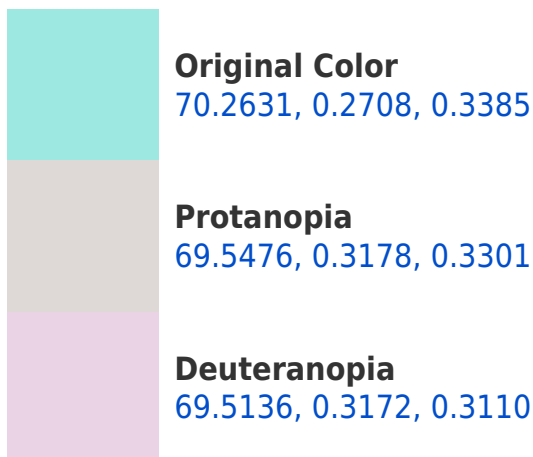


This preview shows how white text looks on a background with the Yxy color 70.2631, 0.2708, 0.3385.

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





Tritanopia

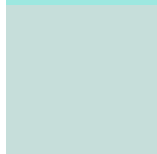
70.4354, 0.2612, 0.3081

Trichromacy



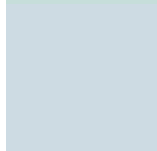
Original Color

70.2631, 0.2708, 0.3385



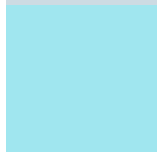
Protanomaly

69.3103, 0.2987, 0.3335



Deuteranomaly

69.1882, 0.2978, 0.3200



Tritanomaly

70.2992, 0.2643, 0.3183

Monochromacy



Original Color

70.2631, 0.2708, 0.3385



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.4279, 0.2957, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2631, 0.2708, 0.3385 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, 232, 224)` looks like.

```
.text, #text, p{  
    color:rgb(157, 232, 224)  
}
```

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, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 232, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.2631, 0.2708, 0.3385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

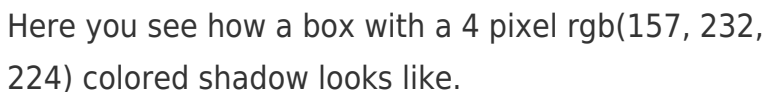
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 232, 224) }
```

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

```
.border{ border-color:rgb(157, 232, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 232, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 232, 224); box-shadow:4px 4px 4px 4px rgb(157, 232, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2631, 0.2708, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 232, 224) }
```

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

```
.background{ background-color: rgb(157,  
232, 224) }
```

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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