

Converting Colors

$Yxy(69.7795, 0.2607, 0.3280)$

Have a look what the booklet for
Yxy(69.7795, 0.2607, 0.3280)
contains.

Yxy(69.7074, 0.2605, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.7074, 0.2605, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	92E8E9
RGB	146, 232, 233
RGB Percent	57%, 91%, 91%
CMY	0.4272, 0.0902, 0.0862
CMYK	0.37, 0.00, 0.00, 0.09
HSL	181°, 66%, 74%
HSV	181°, 37%, 91%
XYZ	55.4297, 69.7074, 87.6449
YIQ	206.4000, -51.5770, -17.9210

Conversions

Conversions Part 2

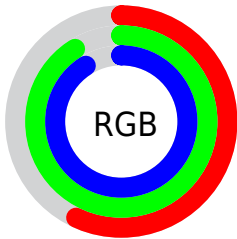
Format	Color
RYB	146, 189, 233
Decimal	9627881
CIELab	86.85, -25.59, -8.71
CIElCh	87, 27.036, 198.799
Yxy	69.7074, 0.2605, 0.3276
Android (android.graphics.Color)	4287817961 (0xFF92E8E9)
YUV	206.4000, 13.1138, -52.9708
Hunter-Lab	83.4910, -27.6029, -3.7962

Details

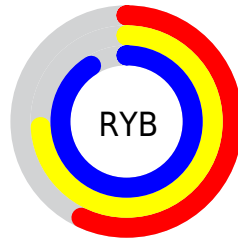
The Yxy color **69.7074, 0.2605, 0.3276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.3049, 0.4039, 0.3305**, and the grayscale version is **61.9413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **36.3987, 0.2488, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **67.6302, 0.2497, 0.3272**, and if you desaturate by 10%, it is **72.2256, 0.2729, 0.3280**.

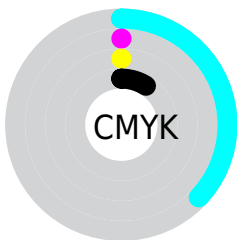
Distribution



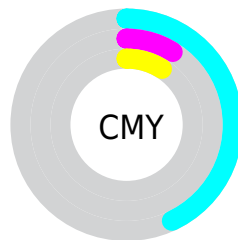
- Red (57%)
- Green (91%)
- Blue (91%)



- Red (57%)
- Yellow (74%)
- Blue (91%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (43%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7074, 0.2605, 0.3276 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 69.7074, 0.2605, 0.3276 by changing the saturation by 10% instead.

 69.7074, 0.2605,
0.3276

 69.7074, 0.2605,
0.3276

459.5220, 0.2845,
0.3287

 51.2880, 0.2551,
0.3272

 118.7914, 0.2688,
0.3281

 36.4379, 0.2484,
0.3267

 150.2248, 0.2720,
0.3282

 24.7726, 0.2401,
0.3259

186.7650, 0.2748,
0.3284

 15.9077, 0.2292,
0.3248

228.7964, 0.2772,
0.3285

 9.4589, 0.2147,
0.3229

276.7034, 0.2794,
0.3286

 5.0417, 0.1942,
0.3196

330.8704, 0.2813,

 2.2717, 0.1636,

0.3286

0.3130

391.6818, 0.2829,
0.3287

0.7587, 0.0406,
0.3200

0.0000, 0.0000,
0.0000

69.7074, 0.2605,
0.3276

69.7074, 0.2605,
0.3276

67.6302, 0.2497,
0.3272

72.2256, 0.2729,
0.3280

65.9592, 0.2408,
0.3268

75.2010, 0.2866,
0.3284

64.6677, 0.2338,
0.3264

78.6588, 0.3014,
0.3288

63.7220, 0.2287,
0.3260

82.6202, 0.3169,
0.3291

■ 63.0830, 0.2255,
0.3256

■ 85.6391, 0.3277,
0.3294

■ 62.6988, 0.2239,
0.3252

■ 85.7970, 0.3277,
0.3297

■ 62.6169, 0.2236,
0.3251

■ 85.9552, 0.3276,
0.3299

■ 86.1136, 0.3276,
0.3302

■ 86.2723, 0.3276,
0.3305

Harmonies

Analogous

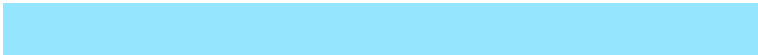
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7074, 0.2836, 0.3591



69.7074, 0.2605, 0.3276



69.7074, 0.2510, 0.2986

Triad

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



69.7074, 0.2605, 0.3276



69.7074, 0.3073, 0.2826



69.7074, 0.3710, 0.3767

Complementary

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



69.7074, 0.2605, 0.3276



40.3049, 0.4039, 0.3305

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.



69.7074, 0.3786, 0.3540



69.7074, 0.2605, 0.3276



69.7074, 0.3408, 0.3012

Square

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



69.7074, 0.2605, 0.3276



69.7074, 0.2769, 0.2748



69.7074, 0.3675, 0.3267



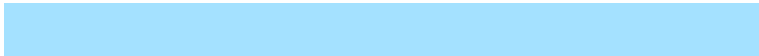
69.7074, 0.3474, 0.3879

Rectangle

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



69.7074, 0.2605, 0.3276



69.7074, 0.2532, 0.2848



69.7074, 0.3675, 0.3267



69.7074, 0.3755, 0.3701

Sweetspot

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



69.7102, 0.2605, 0.3276



94.8494, 0.2958, 0.3286



66.4885, 0.3074, 0.4423



20.1769, 0.2937, 0.3286



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.



69.7102, 0.2605, 0.3276



83.4667, 0.2519, 0.3273



48.6325, 0.2527, 0.2737



17.0892, 0.2981, 0.3287



35.5342, 0.2237, 0.3251



2.8002, 0.2238, 0.3257

Inverse Universe

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



43.7317, 0.3179, 0.2378



47.2214, 0.3190, 0.2200



56.0366, 0.3855, 0.3782



15.3105, 0.3140, 0.3061



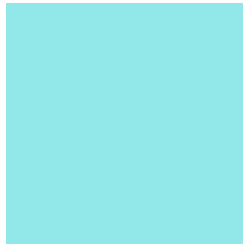
13.0800, 0.3239, 0.1558



1.0281, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 69.7074, 0.2605, 0.3276 looks on a white background.

Color Contrast Check

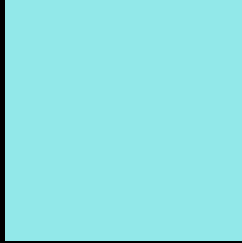
Large Text (above 18pt) WCAG AA × Fail

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 69.7074, 0.2605, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

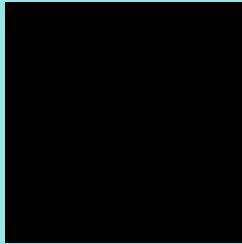
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7074, 0.2605, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 69.7074, 0.2605, 0.3276.

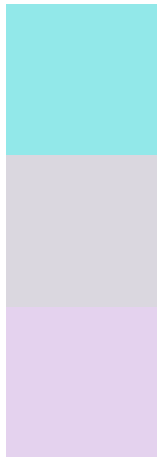


This preview shows how white text looks on a background with the Yxy color 69.7074, 0.2605, 0.3276.

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

69.7074, 0.2605, 0.3276

Protanopia

68.8340, 0.3095, 0.3202

Deuteranopia

68.7602, 0.3068, 0.2994



Tritanopia

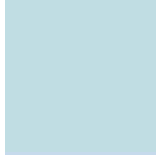
69.8550, 0.2548, 0.3078

Trichromacy



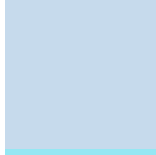
Original Color

69.7074, 0.2605, 0.3276



Protanomaly

68.4654, 0.2891, 0.3221



Deuteranomaly

68.2047, 0.2875, 0.3088



Tritanomaly

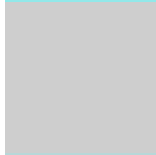
70.0125, 0.2569, 0.3147

Monochromacy



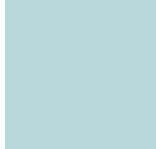
Original Color

69.7074, 0.2605, 0.3276



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.7491, 0.2903, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7074, 0.2605, 0.3276 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(146, 232, 233)` looks like.

```
.text, #text, p{  
    color:rgb(146, 232, 233)  
}
```

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(146, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 232, 233) }
```

Border

The CSS property to change the border of an element to Yxy 69.7074, 0.2605, 0.3276 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(146, 232, 233) }
```

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

```
.border{ border-color:rgb(146, 232, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 232, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(146, 232,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7074, 0.2605, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 232, 233) }
```

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

```
.background{ background-color: rgb(146,  
232, 233) }
```

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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