

Converting Colors

$Yxy(76.4546, 0.2700, 0.3356)$

Have a look what the booklet for
Yxy(76.4546, 0.2700, 0.3356)
contains.

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Color

Yxy(76.2108, 0.2699, 0.3346)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A4F0EB |
| RGB | 164, 240, 235 |
| RGB Percent | 64%, 94%, 92% |
| CMY | 0.3567, 0.0588, 0.0784 |
| CMYK | 0.32, 0.00, 0.02, 0.06 |
| HSL | 176°, 72%, 79% |
| HSV | 176°, 32%, 94% |
| XYZ | 61.4743, 76.2108, 90.0818 |
| YIQ | 216.7060, -43.6910, -17.6670 |

Conversions

Conversions Part 2

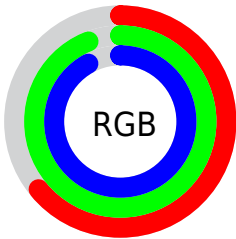
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 164, 203, 240 |
| Decimal | 10809579 |
| CIELab | 89.96, -24.31, -5.07 |
| CIELCh | 90, 24.832, 191.779 |
| Yxy | 76.2108, 0.2699, 0.3346 |
| Android (android.graphics.Color) | 4288999659 (0xFFA4F0EB) |
| YUV | 216.7060, 9.0189, -46.2232 |
| Hunter-Lab | 87.2988, -27.0763, -0.0710 |

Details

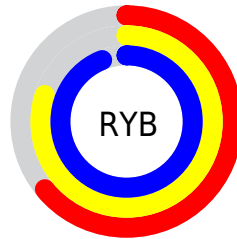
The Yxy color **76.2108, 0.2699, 0.3346** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.9576, 0.3805, 0.3237**, and the grayscale version is **69.1447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **40.7869, 0.2605, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **73.8054, 0.2589, 0.3366**, and if you desaturate by 10%, it is **79.1049, 0.2823, 0.3327**.

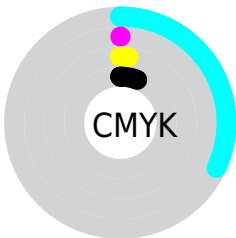
Distribution



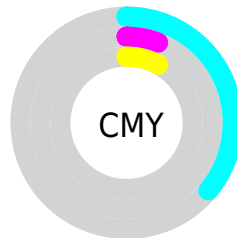
- Red (64%)
- Green (94%)
- Blue (92%)



- Red (64%)
- Yellow (80%)
- Blue (94%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)




- Cyan (36%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2108, 0.2699, 0.3346 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 76.2108, 0.2699, 0.3346 by changing the saturation by 10% instead.


 76.2108, 0.2699,
0.3346

 76.2108, 0.2699,
0.3346

482.0690, 0.2893,
0.3323

 56.6054, 0.2655,
0.3351


 128.0248, 0.2766,
0.3339

 40.6885, 0.2602,
0.3356


 161.0022, 0.2792,
0.3336

 28.0758, 0.2535,
0.3362


199.2058, 0.2815,
0.3333

 18.3828, 0.2449,
0.3369

243.0198, 0.2834,
0.3330

 11.2252, 0.2334,
0.3378

292.8288, 0.2852,
0.3328

 6.2185, 0.2173,
0.3386

349.0170, 0.2867,

 2.9784, 0.1933,

0.3326

411.9690, 0.2881,
0.3325

0.3392

1.1205, 0.1394,
0.3439

0.0000, 0.0000,
0.0000

76.2108, 0.2699,
0.3346

76.2108, 0.2699,
0.3346

73.8054, 0.2589,
0.3366

79.1049, 0.2823,
0.3327

71.8525, 0.2495,
0.3388

82.5036, 0.2959,
0.3309

70.3251, 0.2419,
0.3410

86.4332, 0.3103,
0.3293

69.1899, 0.2363,
0.3432

89.9462, 0.3218,
0.3278

■ 68.4085, 0.2327,
0.3454

■ 90.0407, 0.3209,
0.3262

■ 67.9347, 0.2309,
0.3476

■ 90.1360, 0.3199,
0.3247

■ 67.7138, 0.2304,
0.3494

■ 90.2322, 0.3189,
0.3232

■ 90.3291, 0.3179,
0.3217

■ 90.4269, 0.3170,
0.3202

Harmonies

Analogous

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



76.2108, 0.2930, 0.3615



76.2108, 0.2699, 0.3346



76.2108, 0.2582, 0.3075

Triad

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



76.2108, 0.2699, 0.3346



76.2108, 0.3011, 0.2847



76.2108, 0.3677, 0.3678

Complementary

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



76.2108, 0.2699, 0.3346



47.9576, 0.3805, 0.3237

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.



76.2108, 0.3706, 0.3460



76.2108, 0.2699, 0.3346



76.2108, 0.3311, 0.2995

Square

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



76.2108, 0.2699, 0.3346



76.2108, 0.2755, 0.2804



76.2108, 0.3569, 0.3214



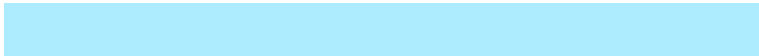
76.2108, 0.3497, 0.3804

Rectangle

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



76.2108, 0.2699, 0.3346



76.2108, 0.2579, 0.2934



76.2108, 0.3569, 0.3214



76.2108, 0.3705, 0.3612

Sweetspot

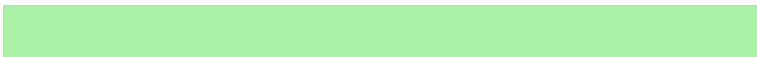
The Sweet Spot groups the original color and five complimentary colors.



76.2139, 0.2699, 0.3346



95.8077, 0.2996, 0.3305



73.4462, 0.3115, 0.4217



20.3719, 0.2975, 0.3307



0.0000, 0.0000, 0.0000



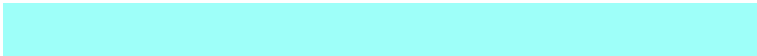
21.4041, 0.3127, 0.3290

Same Dimension

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



76.2139, 0.2699, 0.3346



85.6172, 0.2626, 0.3359



58.8549, 0.2627, 0.2896



17.9100, 0.2990, 0.3305



37.0773, 0.2303, 0.3490



3.0898, 0.2295, 0.3462

Inverse Universe

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



47.9576, 0.3805, 0.3237



48.4443, 0.4010, 0.3226



61.1197, 0.3740, 0.3652



15.7756, 0.3283, 0.3275



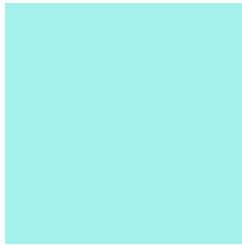
10.1676, 0.6331, 0.3261



0.8517, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 76.2108, 0.2699, 0.3346 looks on a white background.

Color Contrast Check

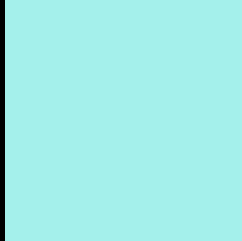
Large Text (above 18pt) WCAG AA × Fail

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 76.2108, 0.2699, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

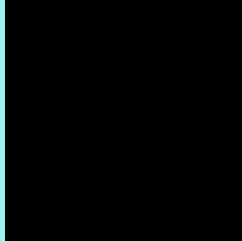
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2108, 0.2699, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 76.2108, 0.2699, 0.3346.

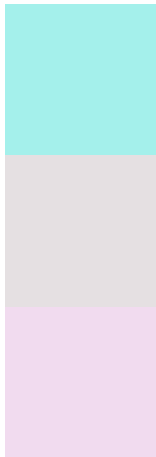


This preview shows how white text looks on a background with the Yxy color 76.2108, 0.2699, 0.3346.

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

76.2108, 0.2699, 0.3346

Protanopia

75.4603, 0.3149, 0.3269

Deuteranopia

75.5958, 0.3151, 0.3086



Tritanopia

75.8688, 0.2630, 0.3077

Trichromacy



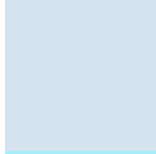
Original Color

76.2108, 0.2699, 0.3346



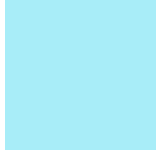
Protanomaly

75.2299, 0.2967, 0.3301



Deuteranomaly

75.2574, 0.2964, 0.3171



Tritanomaly

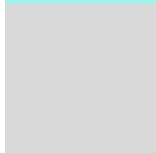
75.6705, 0.2650, 0.3165

Monochromacy



Original Color

76.2108, 0.2699, 0.3346



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.2380, 0.2950, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2108, 0.2699, 0.3346 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, 240, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 240, 235)  
}
```

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, 240, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 240, 235) }
```

Border

The CSS property to change the border of an element to Yxy 76.2108, 0.2699, 0.3346 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, 240, 235) }
```

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

```
.border{ border-color:rgb(164, 240, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 240, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 240, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 240, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 240,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2108, 0.2699, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 240, 235) }
```

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

```
.background{ background-color: rgb(164,  
240, 235) }
```

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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