

Converting Colors

$Yxy(76.5384, 0.2747, 0.3378)$

Have a look what the booklet for
Yxy(76.5384, 0.2747, 0.3378)
contains.

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Color

Yxy(76.6924, 0.2746, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	AAF0E8
RGB	170, 240, 232
RGB Percent	67%, 94%, 91%
CMY	0.3336, 0.0587, 0.0902
CMYK	0.29, 0.00, 0.03, 0.06
HSL	173°, 70%, 80%
HSV	173°, 29%, 94%
XYZ	62.2885, 76.6924, 87.8526
YIQ	218.1580, -39.1520, -17.3280

Conversions

Conversions Part 2

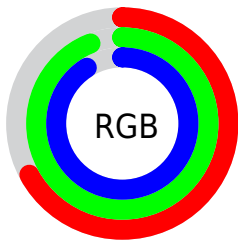
Format	Color
R_{YB}	170, 207, 240
Decimal	11202792
CIE _{Lab}	90.18, -23.37, -3.12
CIE _{LCh}	90, 23.576, 187.613
Yxy	76.6924, 0.2746, 0.3381
Android (android.graphics.Color)	4289392872 (0xFFAAF0E8)
YUV	218.1580, 6.8241, -42.2346
Hunter-Lab	87.5742, -26.2940, 1.8234

Details

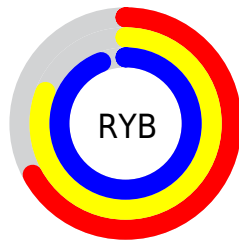
The Yxy color **76.6924, 0.2746, 0.3381** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.4620, 0.3702, 0.3203**, and the grayscale version is **70.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.0604, 0.2661, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **74.1067, 0.2637, 0.3417**, and if you desaturate by 10%, it is **79.7750, 0.2868, 0.3347**.

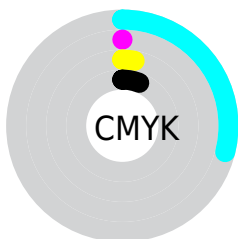
Distribution



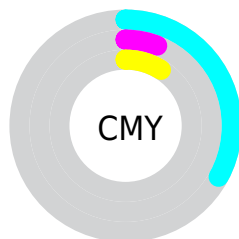
- Red (67%)
- Green (94%)
- Blue (91%)



- Red (67%)
- Yellow (81%)
- Blue (94%)



- Cyan (29%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (33%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6924, 0.2746, 0.3381 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 76.6924, 0.2746, 0.3381 by changing the saturation by 10% instead.


 76.6924, 0.2746,
0.3381

 76.6924, 0.2746,
0.3381


483.7146, 0.2919,
0.3341

 57.0005, 0.2707,
0.3390


 128.7052, 0.2806,
0.3368

 41.0056, 0.2659,
0.3400


161.7948, 0.2829,
0.3362

 28.3235, 0.2599,
0.3413


200.1191, 0.2849,
0.3357

 18.5696, 0.2522,
0.3429

244.0625, 0.2867,
0.3353

 11.3597, 0.2418,
0.3450

294.0093, 0.2882,
0.3350

 6.3093, 0.2273,
0.3478

350.3440, 0.2896,

 3.0341, 0.2053,

0.3347

0.3515

413.4510, 0.2908,
0.3344

■ 1.1495, 0.1574,
0.3615

■ 0.0199, 0.0000,
0.0766

■ 76.6924, 0.2746,
0.3381

■ 76.6924, 0.2746,
0.3381

■ 74.1067, 0.2637,
0.3417

■ 79.7750, 0.2868,
0.3347

■ 71.9819, 0.2542,
0.3455

■ 83.3698, 0.3000,
0.3316

■ 70.2920, 0.2466,
0.3494

■ 87.5029, 0.3138,
0.3288

■ 69.0046, 0.2409,
0.3534


■ 90.0632, 0.3208,
0.3261

 68.0826, 0.2371,
0.3574


 90.2307, 0.3191,
0.3235

 67.4821, 0.2352,
0.3614


 90.4007, 0.3174,
0.3208

 67.1353, 0.2349,
0.3654

 90.5732, 0.3157,
0.3182

 67.1119, 0.2349,
0.3657

 90.7482, 0.3140,
0.3156

 90.8127, 0.3134,
0.3146

Harmonies

Analogous

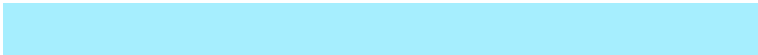
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6924, 0.2978, 0.3627



76.6924, 0.2746, 0.3381



76.6924, 0.2617, 0.3120

Triad

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



76.6924, 0.2746, 0.3381



76.6924, 0.2980, 0.2857



76.6924, 0.3661, 0.3634

Complementary

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



76.6924, 0.2746, 0.3381



50.4620, 0.3702, 0.3203

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.



76.6924, 0.3666, 0.3421



76.6924, 0.2746, 0.3381



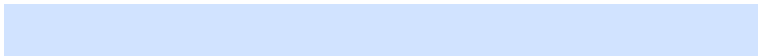
76.6924, 0.3262, 0.2985

Square

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



76.6924, 0.2746, 0.3381



76.6924, 0.2747, 0.2832



76.6924, 0.3517, 0.3187



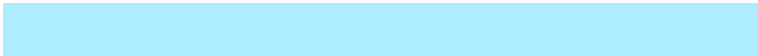
76.6924, 0.3508, 0.3768

Rectangle

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



76.6924, 0.2746, 0.3381



76.6924, 0.2603, 0.2978



76.6924, 0.3517, 0.3187



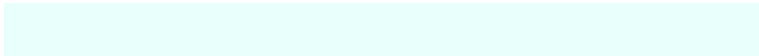
76.6924, 0.3681, 0.3569

Sweetspot

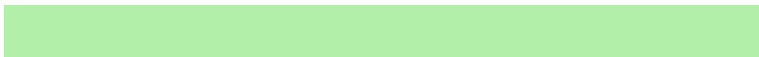
The Sweet Spot groups the original color and five complimentary colors.



76.6955, 0.2746, 0.3381



95.7359, 0.3002, 0.3316



74.7089, 0.3139, 0.4129



20.3541, 0.2982, 0.3320



0.0000, 0.0000, 0.0000



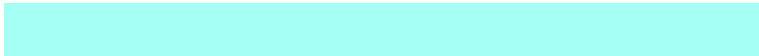
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6955, 0.2746, 0.3381



86.1785, 0.2680, 0.3402



62.4940, 0.2670, 0.2973



17.8959, 0.2996, 0.3317



36.7434, 0.2347, 0.3650



3.0655, 0.2333, 0.3598

Inverse Universe

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



50.4620, 0.3702, 0.3203



51.5754, 0.3869, 0.3185



61.2672, 0.3693, 0.3586



15.7883, 0.3275, 0.3263



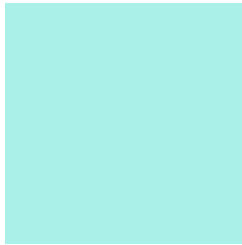
10.1953, 0.6261, 0.3222



0.8577, 0.5988, 0.3073

Previews

White Background



This preview shows how the Yxy color 76.6924, 0.2746, 0.3381 looks on a white background.

Color Contrast Check

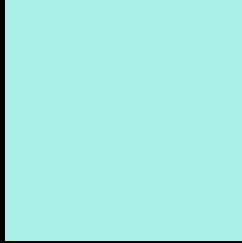
Large Text (above 18pt) WCAG AA × Fail

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 76.6924, 0.2746, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

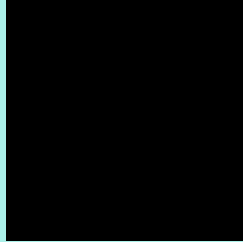
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6924, 0.2746, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 76.6924, 0.2746, 0.3381.

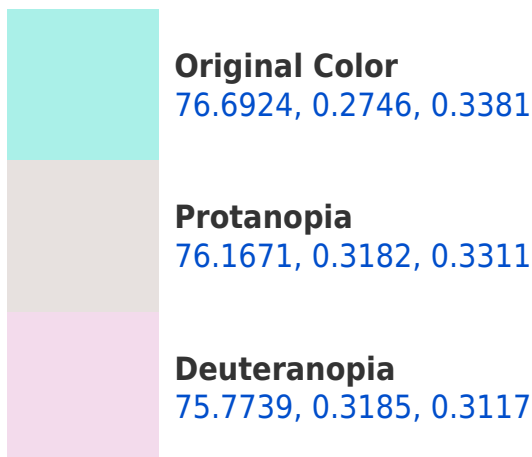


This preview shows how white text looks on a background with the Yxy color 76.6924, 0.2746, 0.3381.

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

76.4410, 0.2656, 0.3079

Trichromacy



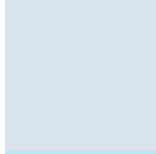
Original Color

76.6924, 0.2746, 0.3381



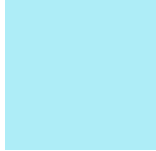
Protanomaly

75.6399, 0.3011, 0.3333



Deuteranomaly

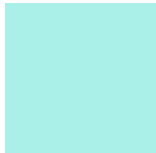
75.5353, 0.3002, 0.3204



Tritanomaly

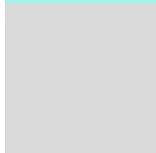
76.2824, 0.2687, 0.3177

Monochromacy



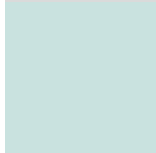
Original Color

76.6924, 0.2746, 0.3381



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.1379, 0.2976, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6924, 0.2746, 0.3381 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(170, 240, 232)` looks like.

```
.text, #text, p{  
    color:rgb(170, 240, 232)  
}
```

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(170, 240, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 240, 232) }
```

Border

The CSS property to change the border of an element to Yxy 76.6924, 0.2746, 0.3381 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(170, 240, 232) }
```

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

```
.border{ border-color:rgb(170, 240, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 240, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 240, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 240, 232);  
box-shadow:4px 4px 4px 4px rgb(170, 240,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6924, 0.2746, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 240, 232) }
```

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

```
.background{ background-color: rgb(170,  
240, 232) }
```

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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