

Converting Colors

$Yxy(77.3655, 0.2805, 0.3537)$

Have a look what the booklet for
Yxy(77.3655, 0.2805, 0.3537)
contains.

Yxy(77.2708, 0.2806, 0.3533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2708, 0.2806, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2DD
RGB	170, 242, 221
RGB Percent	67%, 95%, 87%
CMY	0.3335, 0.0509, 0.1334
CMYK	0.30, 0.00, 0.09, 0.05
HSL	162°, 74%, 81%
HSV	162°, 30%, 95%
XYZ	61.3705, 77.2708, 80.0703
YIQ	218.0780, -36.1710, -21.7950

Conversions

Conversions Part 2

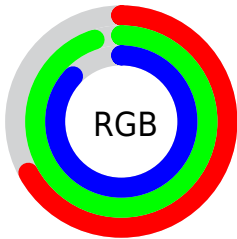
Format	Color
RYB	170, 212, 242
Decimal	11203293
CIELab	90.45, -26.66, 3.00
CIELCh	90, 26.829, 173.571
Yxy	77.2708, 0.2806, 0.3533
Android (android.graphics.Color)	4289393373 (0xFFAAF2DD)
YUV	218.0780, 1.4405, -42.1644
Hunter-Lab	87.9038, -29.2110, 7.5263

Details

The Yxy color **77.2708, 0.2806, 0.3533** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3733, 0.3599, 0.3062**, and the grayscale version is **70.1705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.5158, 0.2729, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **74.4527, 0.2715, 0.3629**, and if you desaturate by 10%, it is **80.6075, 0.2908, 0.3444**.

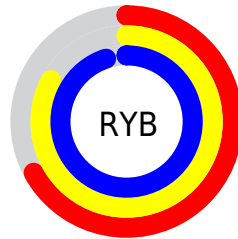
Distribution



Red (67%)

Green (95%)

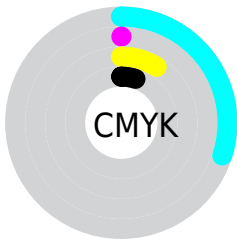
Blue (87%)



Red (67%)

Yellow (83%)

Blue (95%)

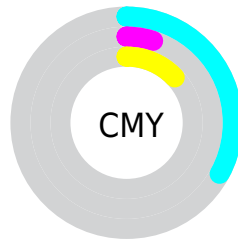


Cyan (30%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (33%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2708, 0.2806, 0.3533 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 77.2708, 0.2806, 0.3533 by changing the saturation by 10% instead.


 77.2708, 0.2806,
0.3533

 77.2708, 0.2806,
0.3533


485.6868, 0.2954,
0.3420

 57.4752, 0.2773,
0.3559

 129.5217, 0.2857,
0.3494

 41.3869, 0.2731,
0.3591


162.7457, 0.2877,
0.3479

 28.6215, 0.2679,
0.3631


201.2146, 0.2894,
0.3466

 18.7947, 0.2612,
0.3684

245.3129, 0.2909,
0.3454

 11.5220, 0.2521,
0.3756

295.4248, 0.2922,
0.3444

 6.4191, 0.2390,
0.3861


351.9349, 0.2934,


 3.1016, 0.2190,


0.3435


0.4026


415.2274, 0.2944,
0.3428

 1.1850, 0.1670,
0.4413


 0.0494, 0.0000,
1.0000


 77.2708, 0.2806,
0.3533


 77.2708, 0.2806,
0.3533


 74.4527, 0.2715,
0.3629

 80.6075, 0.2908,
0.3444


 72.1161, 0.2637,
0.3732

 84.4787, 0.3016,
0.3362

 70.2343, 0.2576,
0.3839

 88.9113, 0.3130,
0.3288

 68.7736, 0.2533,
0.3950

 91.6283, 0.3168,
0.3221

■ 67.6958, 0.2511,
0.4062

■ 91.9938, 0.3133,
0.3166

■ 66.9552, 0.2509,
0.4173

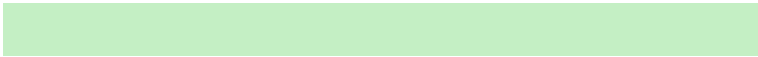
■ 66.4775, 0.2523,
0.4283

■ 66.4679, 0.2524,
0.4286

Harmonies

Analogous

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



77.2708, 0.3102, 0.3771



77.2708, 0.2806, 0.3533



77.2708, 0.2602, 0.3229

Triad

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



77.2708, 0.2806, 0.3533



77.2708, 0.2825, 0.2773



77.2708, 0.3759, 0.3570

Complementary

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



77.2708, 0.2806, 0.3533



51.3733, 0.3599, 0.3062

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.



77.2708, 0.3680, 0.3311



77.2708, 0.2806, 0.3533



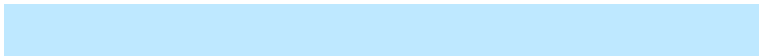
77.2708, 0.3127, 0.2866

Square

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



77.2708, 0.2806, 0.3533



77.2708, 0.2612, 0.2803



77.2708, 0.3444, 0.3059



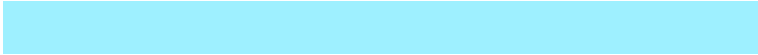
77.2708, 0.3659, 0.3775

Rectangle

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



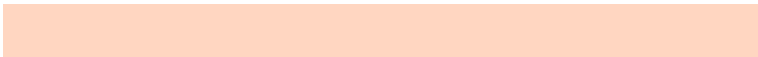
77.2708, 0.2806, 0.3533



77.2708, 0.2539, 0.3042



77.2708, 0.3444, 0.3059



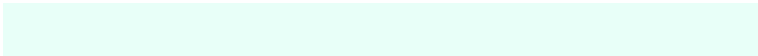
77.2708, 0.3753, 0.3486

Sweetspot

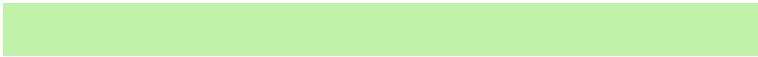
The Sweet Spot groups the original color and five complimentary colors.



77.2740, 0.2806, 0.3533



95.4801, 0.3025, 0.3356



77.5650, 0.3226, 0.4126



20.2908, 0.3008, 0.3368



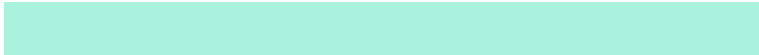
0.0000, 0.0000, 0.0000



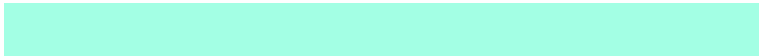
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2740, 0.2806, 0.3533



84.9402, 0.2747, 0.3593



70.2215, 0.2679, 0.3123



17.8457, 0.3020, 0.3360



35.7267, 0.2519, 0.4268



2.9894, 0.2478, 0.4122

Inverse Universe

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



51.3733, 0.3599, 0.3062



51.2432, 0.3742, 0.3011



56.2138, 0.3749, 0.3450



15.8348, 0.3247, 0.3221



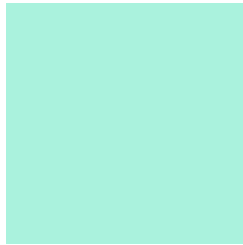
10.4036, 0.5790, 0.2963



0.8822, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 77.2708, 0.2806, 0.3533 looks on a white background.

Color Contrast Check

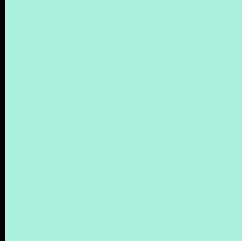
Large Text (above 18pt) WCAG AA × Fail

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 77.2708, 0.2806, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

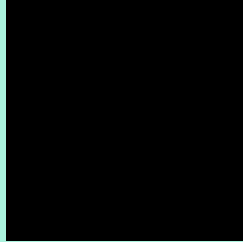
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2708, 0.2806, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 77.2708, 0.2806, 0.3533.

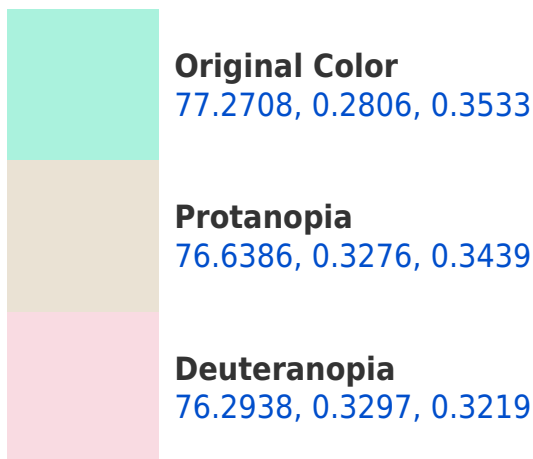


This preview shows how white text looks on a background with the Yxy color 77.2708, 0.2806, 0.3533.

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

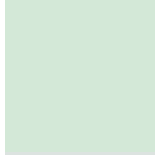
77.3721, 0.2674, 0.3091

Trichromacy



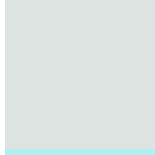
Original Color

77.2708, 0.2806, 0.3533



Protanomaly

76.4684, 0.3091, 0.3477



Deuteranomaly

75.5356, 0.3098, 0.3322



Tritanomaly

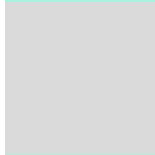
77.4342, 0.2721, 0.3244

Monochromacy



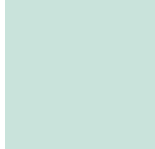
Original Color

77.2708, 0.2806, 0.3533



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.4702, 0.3001, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2708, 0.2806, 0.3533 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, 242, 221)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 221)  
}
```

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, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 221) }
```

Border

The CSS property to change the border of an element to Yxy 77.2708, 0.2806, 0.3533 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, 242, 221) }
```

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

```
.border{ border-color:rgb(170, 242, 221) }
```

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

Here you see how a box with a 4 pixel rgb(170, 242, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2708, 0.2806, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 221) }
```

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

```
.background{ background-color: rgb(170,  
242, 221) }
```

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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