

Converting Colors

Yxy(77.4113, 0.2804, 0.3423)

Have a look what the booklet for
Yxy(77.4113, 0.2804, 0.3423)
contains.

Yxy(77.2687, 0.2806, 0.3426)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2687, 0.2806, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	B1F0E4
RGB	177, 240, 228
RGB Percent	69%, 94%, 89%
CMY	0.3061, 0.0588, 0.1059
CMYK	0.26, 0.00, 0.05, 0.06
HSL	169°, 68%, 82%
HSV	169°, 26%, 94%
XYZ	63.2855, 77.2687, 84.9820
YIQ	219.7950, -33.6960, -17.0880

Conversions

Conversions Part 2

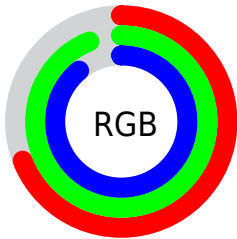
Format	Color
R_{YB}	177, 212, 240
Decimal	11661540
CIE _{Lab}	90.45, -22.21, -0.62
CIE _{LCh}	90, 22.216, 181.588
Yxy	77.2687, 0.2806, 0.3426
Android (android.graphics.Color)	4289851620 (0xFFB1F0E4)
YUV	219.7950, 4.0451, -37.5312
Hunter-Lab	87.9026, -25.3186, 4.2118

Details

The Yxy color **77.2687, 0.2806, 0.3426** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.6212, 0.3584, 0.3160**, and the grayscale version is **71.4028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **41.5091, 0.2734, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **74.4476, 0.2700, 0.3486**, and if you desaturate by 10%, it is **80.5984, 0.2922, 0.3370**.

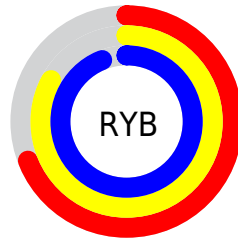
Distribution



Red (69%)

Green (94%)

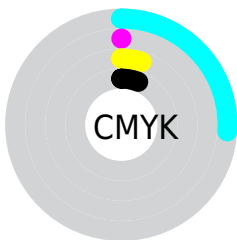
Blue (89%)



Red (69%)

Yellow (83%)

Blue (94%)

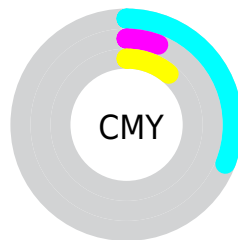


Cyan (26%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (31%)

Magenta (6%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2687, 0.2806, 0.3426 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 77.2687, 0.2806, 0.3426 by changing the saturation by 10% instead.


 77.2687, 0.2806,
0.3426

 77.2687, 0.2806,
0.3426

485.6797, 0.2953,
0.3364

 57.4734, 0.2773,
0.3440


 129.5187, 0.2856,
0.3405

 41.3855, 0.2732,
0.3457


162.7422, 0.2876,
0.3396

 28.6204, 0.2681,
0.3478

201.2107, 0.2893,
0.3389

 18.7939, 0.2615,
0.3506

245.3083, 0.2908,
0.3383

 11.5214, 0.2527,
0.3543

295.4197, 0.2921,
0.3378

 6.4187, 0.2401,
0.3594

351.9291, 0.2933,

 3.1013, 0.2210,

0.3373

415.2210, 0.2943,
0.3368

0.3673

1.1849, 0.1805,
0.3841

0.0493, 0.0000,
0.3376

77.2687, 0.2806,
0.3426

77.2687, 0.2806,
0.3426

74.4476, 0.2700,
0.3486

80.5984, 0.2922,
0.3370

72.0996, 0.2608,
0.3549


84.4514, 0.3047,
0.3320

70.1995, 0.2532,
0.3616


88.8534, 0.3176,
0.3273


68.7159, 0.2475,
0.3685


90.2612, 0.3187,
0.3229


 67.6132, 0.2437,
0.3754

 90.5457, 0.3159,
0.3186

 66.8498, 0.2419,
0.3824

 90.8098, 0.3134,
0.3146

 66.3739, 0.2419,
0.3893

 66.2392, 0.2422,
0.3919

Harmonies

Analogous

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



77.2687, 0.3038, 0.3642



77.2687, 0.2806, 0.3426



77.2687, 0.2662, 0.3178

Triad

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



77.2687, 0.2806, 0.3426



77.2687, 0.2939, 0.2868



77.2687, 0.3642, 0.3579

Complementary

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



77.2687, 0.2806, 0.3426



53.6212, 0.3584, 0.3160

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.



77.2687, 0.3616, 0.3370



77.2687, 0.2806, 0.3426



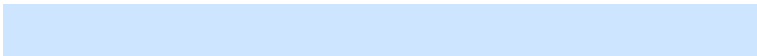
77.2687, 0.3201, 0.2972

Square

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



77.2687, 0.2806, 0.3426



77.2687, 0.2736, 0.2867



77.2687, 0.3452, 0.3151



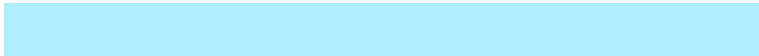
77.2687, 0.3524, 0.3723

Rectangle

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



77.2687, 0.2806, 0.3426



77.2687, 0.2631, 0.3034



77.2687, 0.3452, 0.3151



77.2687, 0.3650, 0.3513

Sweetspot

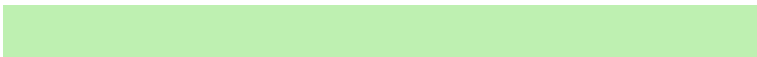
The Sweet Spot groups the original color and five complimentary colors.



77.2719, 0.2806, 0.3426



96.0865, 0.3024, 0.3328



76.3919, 0.3174, 0.4026



20.4187, 0.3005, 0.3336



0.0000, 0.0000, 0.0000



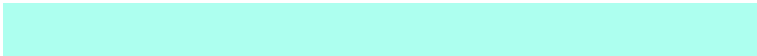
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2719, 0.2806, 0.3426



86.7094, 0.2743, 0.3460



67.3949, 0.2722, 0.3071



17.8743, 0.3006, 0.3335



36.2736, 0.2419, 0.3907



3.0308, 0.2393, 0.3816

Inverse Universe

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



53.6212, 0.3584, 0.3160



54.9721, 0.3725, 0.3129



61.1186, 0.3639, 0.3498



15.8080, 0.3263, 0.3245



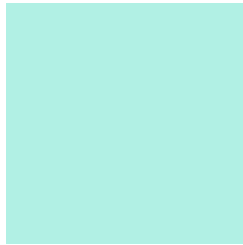
10.2621, 0.6099, 0.3133



0.8671, 0.5752, 0.2942

Previews

White Background



This preview shows how the Yxy color 77.2687, 0.2806, 0.3426 looks on a white background.

Color Contrast Check

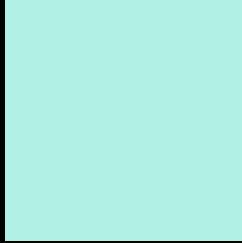
Large Text (above 18pt) WCAG AA × Fail

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 77.2687, 0.2806, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

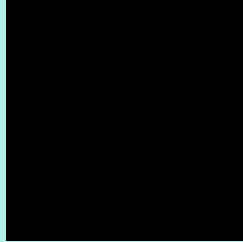
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2687, 0.2806, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 77.2687, 0.2806, 0.3426.

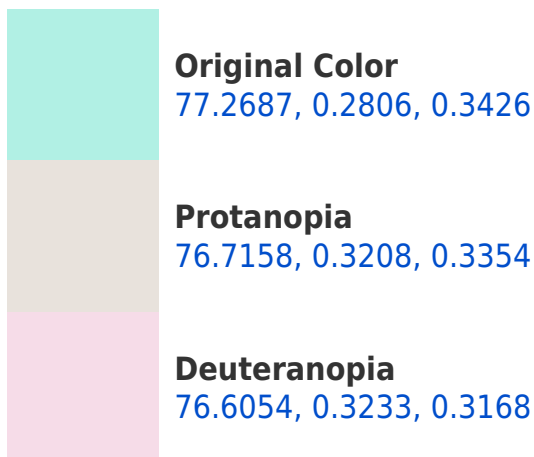


This preview shows how white text looks on a background with the Yxy color 77.2687, 0.2806, 0.3426.

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

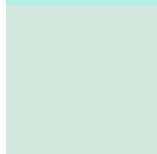
77.2782, 0.2694, 0.3081

Trichromacy



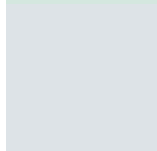
Original Color

77.2687, 0.2806, 0.3426



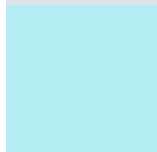
Protanomaly

76.4766, 0.3049, 0.3377



Deuteranomaly

76.0798, 0.3061, 0.3247



Tritanomaly

76.9847, 0.2736, 0.3200

Monochromacy



Original Color

77.2687, 0.2806, 0.3426



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.1033, 0.2996, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2687, 0.2806, 0.3426 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(177, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(177, 240, 228)  
}
```

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(177, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 240, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.2687, 0.2806, 0.3426 is called "border". The border property can be set on classes, ids or directly on the HTML element.

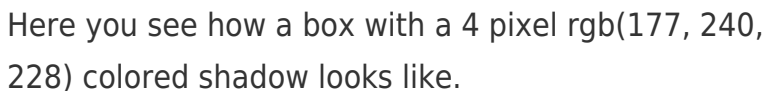
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 240, 228) }
```

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

```
.border{ border-color:rgb(177, 240, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 240, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 240, 228); box-shadow:4px 4px 4px 4px rgb(177, 240, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2687, 0.2806, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 240, 228) }
```

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

```
.background{ background-color: rgb(177,  
240, 228) }
```

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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