

Converting Colors

$Yxy(77.7855, 0.2962, 0.3555)$

Have a look what the booklet for
Yxy(77.7855, 0.2962, 0.3555)
contains.

Yxy(77.8458, 0.2967, 0.3561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.8458, 0.2967, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	C0EFD7
RGB	192, 239, 215
RGB Percent	75%, 94%, 84%
CMY	0.2473, 0.0627, 0.1568
CMYK	0.20, 0.00, 0.10, 0.06
HSL	149°, 60%, 85%
HSV	149°, 20%, 94%
XYZ	64.8606, 77.8458, 75.9002
YIQ	222.2110, -20.3080, -17.4280

Conversions

Conversions Part 2

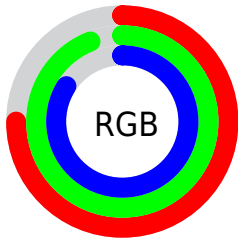
Format	Color
RYB	192, 224, 239
Decimal	12644311
CIELab	90.71, -19.75, 6.65
CIElCh	91, 20.843, 161.399
Yxy	77.8458, 0.2967, 0.3561
Android (android.graphics.Color)	4290834391 (0xFFC0EFD7)
YUV	222.2110, -3.5550, -26.4950
Hunter-Lab	88.2303, -23.1826, 10.7569

Details

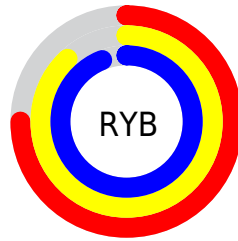
The Yxy color **77.8458, 0.2967, 0.3561** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9852, 0.3325, 0.3034**, and the grayscale version is **73.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **41.8083, 0.2933, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **74.3756, 0.2891, 0.3721**, and if you desaturate by 10%, it is **81.8758, 0.3047, 0.3416**.

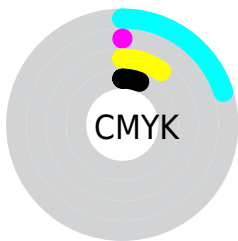
Distribution



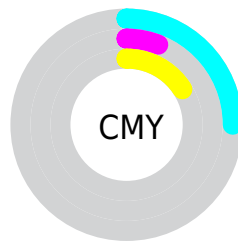
- Red (75%)
- Green (94%)
- Blue (84%)



- Red (75%)
- Yellow (88%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)




- Cyan (25%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8458, 0.2967, 0.3561 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 77.8458, 0.2967, 0.3561 by changing the saturation by 10% instead.

 77.8458, 0.2967,
0.3561

 77.8458, 0.2967,
0.3561


487.6430, 0.3042,
0.3435

 57.9473, 0.2950,
0.3590


 130.3327, 0.2993,
0.3517

 41.7663, 0.2929,
0.3626


163.6900, 0.3003,
0.3500

 28.9183, 0.2902,
0.3673

202.3022, 0.3012,
0.3485

 19.0191, 0.2866,
0.3734

246.5539, 0.3019,
0.3472

 11.6840, 0.2818,
0.3817

296.8295, 0.3026,
0.3461

 6.5289, 0.2747,
0.3940

353.5132, 0.3032,

 3.1693, 0.2635,

0.3451

0.4136

416.9896, 0.3037,
0.3442

■ 1.2207, 0.2395,
0.4536

■ 0.0785, 0.0000,
1.0000

■ 77.8458, 0.2967,
0.3561

■ 77.8458, 0.2967,
0.3561

■ 74.3756, 0.2891,
0.3721

■ 81.8758, 0.3047,
0.3416

■ 71.4301, 0.2823,
0.3896

■ 86.4796, 0.3130,
0.3286

■ 68.9849, 0.2767,
0.4084

■ 90.0048, 0.3155,
0.3169

■ 67.0101, 0.2724,
0.4281

■ 90.2229, 0.3134,
0.3136

■ 65.4721, 0.2699,
0.4483

■ 64.3330, 0.2693,
0.4685

■ 63.5476, 0.2708,
0.4880

■ 63.0430, 0.2740,
0.5063

■ 63.0295, 0.2741,
0.5069

Harmonies

Analogous

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



77.8458, 0.3211, 0.3701



77.8458, 0.2967, 0.3561



77.8458, 0.2771, 0.3341

Triad

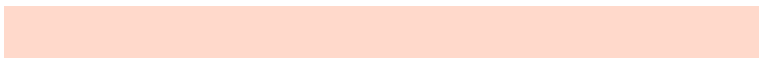
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8458, 0.2967, 0.3561



77.8458, 0.2814, 0.2882



77.8458, 0.3607, 0.3433

Complementary

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



77.8458, 0.2967, 0.3561



60.9852, 0.3325, 0.3034

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.



77.8458, 0.3493, 0.3226



77.8458, 0.2967, 0.3561



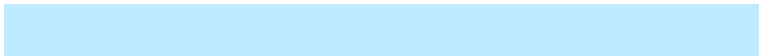
77.8458, 0.3028, 0.2916

Square

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



77.8458, 0.2967, 0.3561



77.8458, 0.2685, 0.2951



77.8458, 0.3278, 0.3040



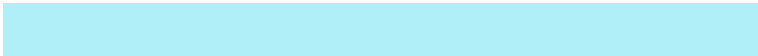
77.8458, 0.3587, 0.3614

Rectangle

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



77.8458, 0.2967, 0.3561



77.8458, 0.2691, 0.3187



77.8458, 0.3278, 0.3040



77.8458, 0.3583, 0.3364

Sweetspot

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



77.8491, 0.2967, 0.3561



96.7203, 0.3077, 0.3367



80.1859, 0.3265, 0.3807



20.6289, 0.3072, 0.3375



0.0000, 0.0000, 0.0000



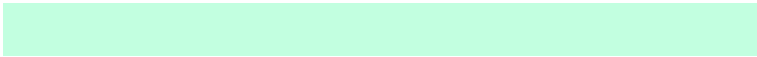
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8491, 0.2967, 0.3561



88.3329, 0.2933, 0.3630



79.1292, 0.2837, 0.3298



17.7855, 0.3049, 0.3413



34.8523, 0.2733, 0.5040



2.9194, 0.2666, 0.4797

Inverse Universe

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



60.9852, 0.3325, 0.3034



65.1918, 0.3380, 0.2974



59.8678, 0.3511, 0.3283



15.8934, 0.3213, 0.3170



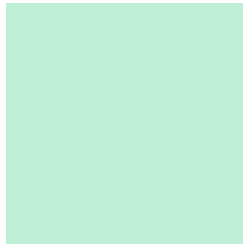
10.9430, 0.4916, 0.2482



0.9305, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 77.8458, 0.2967, 0.3561 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 77.8458, 0.2967, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

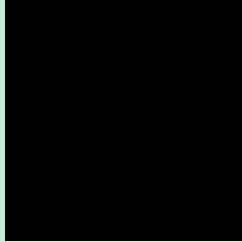
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

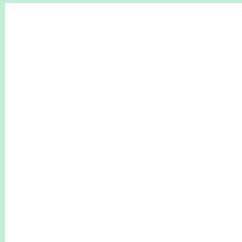
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8458, 0.2967, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 77.8458, 0.2967, 0.3561.

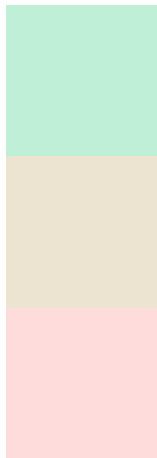


This preview shows how white text looks on a background with the Yxy color 77.8458, 0.2967, 0.3561.

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

77.8458, 0.2967, 0.3561

Protanopia

77.3745, 0.3309, 0.3480

Deuteranopia

77.1835, 0.3374, 0.3301



Tritanopia

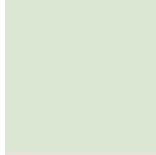
78.0160, 0.2799, 0.3096

Trichromacy



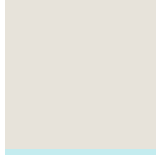
Original Color

77.8458, 0.2967, 0.3561



Protanomaly

77.0706, 0.3179, 0.3507



Deuteranomaly

76.9890, 0.3214, 0.3386



Tritanomaly

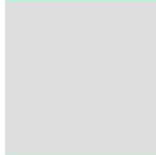
77.9587, 0.2855, 0.3256

Monochromacy



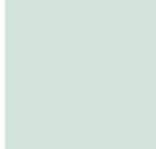
Original Color

77.8458, 0.2967, 0.3561



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.4502, 0.3068, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8458, 0.2967, 0.3561 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(192, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(192, 239, 215)  
}
```

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(192, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 239, 215) }
```

Border

The CSS property to change the border of an element to Yxy 77.8458, 0.2967, 0.3561 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(192, 239, 215) }
```

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

```
.border{ border-color:rgb(192, 239, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 239, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 239, 215);  
box-shadow:4px 4px 4px 4px rgb(192, 239,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8458, 0.2967, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 239, 215) }
```

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

```
.background{ background-color: rgb(192,  
239, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor