

Converting Colors

Yxy(67.9495, 0.3130, 0.3584)

Have a look what the booklet for
Yxy(67.9495, 0.3130, 0.3584)
contains.

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Color

Yxy(67.7042, 0.3128, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	C6DDC4
RGB	198, 221, 196
RGB Percent	78%, 87%, 77%
CMY	0.2233, 0.1334, 0.2313
CMYK	0.10, 0.00, 0.11, 0.13
HSL	115°, 27%, 82%
HSV	115°, 11%, 87%
XYZ	59.1230, 67.7042, 62.1850
YIQ	211.2730, -5.6830, -12.6510

Conversions

Conversions Part 2

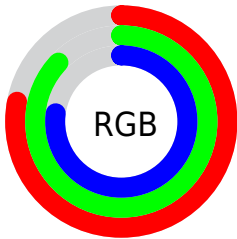
Format	Color
RYB	196, 221, 219
Decimal	13032900
CIELab	85.86, -12.23, 9.68
CIELCh	86, 15.596, 141.623
Yxy	67.7042, 0.3128, 0.3582
Android (android.graphics.Color)	4291222980 (0xFFC6DDC4)
YUV	211.2730, -7.5296, -11.6404
Hunter-Lab	82.2826, -15.7357, 12.7894

Details

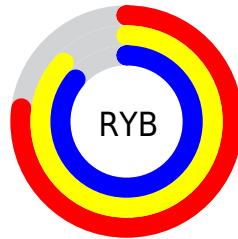
The Yxy color **67.7042, 0.3128, 0.3582** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7569, 0.3124, 0.3012**, and the grayscale version is **65.3938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **35.1547, 0.3128, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **64.1981, 0.3127, 0.3875**, and if you desaturate by 10%, it is **71.7335, 0.3127, 0.3321**.

Distribution



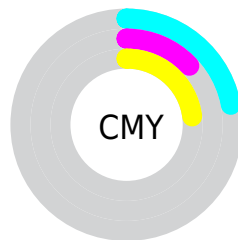
- Red (78%)
- Green (87%)
- Blue (77%)



- Red (77%)
- Yellow (87%)
- Blue (86%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)





- Cyan (22%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7042, 0.3128, 0.3582 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 67.7042, 0.3128, 0.3582 by changing the saturation by 10% instead.


 67.7042, 0.3128,
0.3582

 67.7042, 0.3128,
0.3582


452.4473, 0.3129,
0.3442

 49.6571, 0.3127,
0.3615


115.9289, 0.3129,
0.3533

 35.1410, 0.3127,
0.3657


146.8753, 0.3129,
0.3514

 23.7715, 0.3125,
0.3710


182.8902, 0.3129,
0.3498

 15.1642, 0.3123,
0.3782


224.3581, 0.3129,
0.3484

 8.9347, 0.3118,
0.3884

271.6634, 0.3129,
0.3471

 4.6986, 0.3109,
0.4037


325.1904, 0.3129,

 2.0715, 0.3088,

0.3461


0.4297


385.3236, 0.3129,
0.3451


 0.6486, 0.3193,
0.6513


 0.0000, 0.0000,
0.0000


 67.7042, 0.3128,
0.3582


 67.7042, 0.3128,
0.3582


 64.1981, 0.3127,
0.3875


 71.7335, 0.3127,
0.3321

 61.1855, 0.3123,
0.4198

 76.2971, 0.3125,
0.3093

 58.6468, 0.3115,
0.4543

 80.1860, 0.3143,
0.2960

 56.5579, 0.3104,
0.4895

■ 54.8923, 0.3090,
0.5233

■ 53.6211, 0.3071,
0.5531

■ 52.7115, 0.3051,
0.5765

■ 52.1252, 0.3030,
0.5917

■ 51.8361, 0.3015,
0.5988

Harmonies

Analogous

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



67.7042, 0.3317, 0.3631



67.7042, 0.3128, 0.3582



67.7042, 0.2943, 0.3447

Triad

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



67.7042, 0.3128, 0.3582



67.7042, 0.2804, 0.2996



67.7042, 0.3454, 0.3297

Complementary

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



67.7042, 0.3128, 0.3582



59.7569, 0.3124, 0.3012

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.



67.7042, 0.3309, 0.3139



67.7042, 0.3128, 0.3582



67.7042, 0.2933, 0.2968

Square

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



67.7042, 0.3128, 0.3582



67.7042, 0.2760, 0.3104



67.7042, 0.3117, 0.3020



67.7042, 0.3509, 0.3458

Rectangle

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



67.7042, 0.3128, 0.3582



67.7042, 0.2846, 0.3330



67.7042, 0.3117, 0.3020



67.7042, 0.3414, 0.3242

Sweetspot

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



67.7071, 0.3128, 0.3582



98.2095, 0.3128, 0.3364



69.9704, 0.3298, 0.3545



20.9209, 0.3128, 0.3384



0.0000, 0.0000, 0.0000



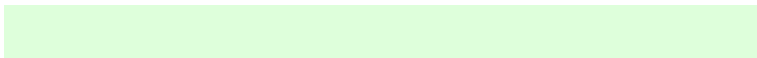
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7071, 0.3128, 0.3582



92.2166, 0.3128, 0.3661



67.9206, 0.3046, 0.3459



14.6571, 0.3128, 0.3531



30.1361, 0.3020, 0.5985



1.9705, 0.3076, 0.5940

Inverse Universe

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



59.7569, 0.3124, 0.3012



78.7478, 0.3123, 0.2941



59.5393, 0.3217, 0.3127



13.2176, 0.3125, 0.3059



10.4198, 0.3005, 0.1429



0.6915, 0.3040, 0.1448

Previews

White Background



This preview shows how the Yxy color 67.7042, 0.3128, 0.3582 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 67.7042, 0.3128, 0.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

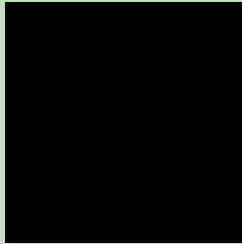
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

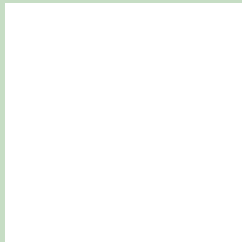
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7042, 0.3128, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 67.7042, 0.3128, 0.3582.

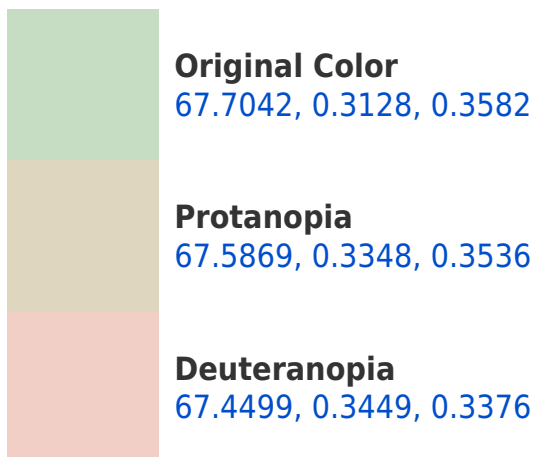


This preview shows how white text looks on a background with the Yxy color 67.7042, 0.3128, 0.3582.

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

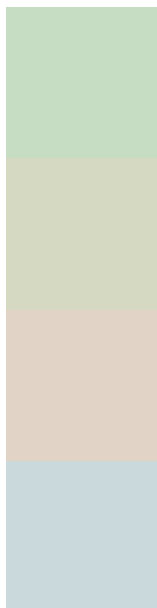




Tritanopia

67.8323, 0.2933, 0.3100

Trichromacy



Original Color

67.7042, 0.3128, 0.3582

Protanomaly

67.7721, 0.3269, 0.3563

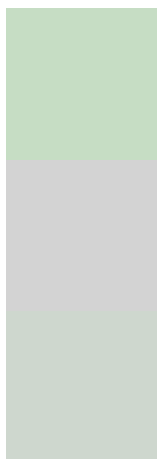
Deuteranomaly

67.1717, 0.3324, 0.3446

Tritanomaly

67.8667, 0.3001, 0.3267

Monochromacy



Original Color

67.7042, 0.3128, 0.3582

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.1789, 0.3122, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7042, 0.3128, 0.3582 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(198, 221, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 221, 196)  
}
```

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(198, 221, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 221, 196) }
```

Border

The CSS property to change the border of an element to Yxy 67.7042, 0.3128, 0.3582 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(198, 221, 196) }
```

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

```
.border{ border-color:rgb(198, 221, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 221, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 221, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 221, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 221,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7042, 0.3128, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 221, 196) }
```

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

```
.background{ background-color: rgb(198,  
221, 196) }
```

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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