

Converting Colors

$Yxy(68.7806, 0.3161, 0.3555)$

Have a look what the booklet for
Yxy(68.7806, 0.3161, 0.3555)
contains.

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Color

Yxy(68.7693, 0.3165, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	CDDDC6
RGB	205, 221, 198
RGB Percent	80%, 87%, 78%
CMY	0.1960, 0.1333, 0.2237
CMYK	0.07, 0.00, 0.10, 0.13
HSL	102°, 25%, 82%
HSV	102°, 10%, 87%
XYZ	61.2250, 68.7693, 63.4496
YIQ	213.5940, -2.1530, -10.5450

Conversions

Conversions Part 2

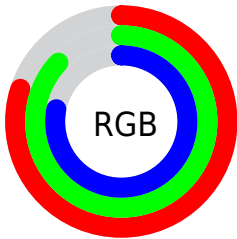
Format	Color
RYB	198, 221, 214
Decimal	13491654
CIELab	86.39, -9.52, 9.48
CIELCh	86, 13.434, 135.109
Yxy	68.7693, 0.3165, 0.3555
Android (android.graphics.Color)	4291681734 (0xFFCDDDC6)
YUV	213.5940, -7.6878, -7.5369
Hunter-Lab	82.9273, -13.3366, 12.6849

Details

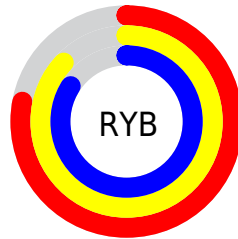
The Yxy color **68.7693, 0.3165, 0.3555** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.8817, 0.3085, 0.3031**, and the grayscale version is **67.0130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8654, 0.3177, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **65.7500, 0.3199, 0.3836**, and if you desaturate by 10%, it is **72.1572, 0.3129, 0.3300**.

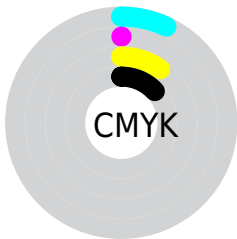
Distribution



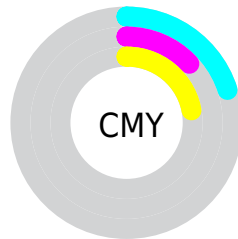
- Red (80%)
- Green (87%)
- Blue (78%)



- Red (78%)
- Yellow (87%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7693, 0.3165, 0.3555 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 68.7693, 0.3165, 0.3555 by changing the saturation by 10% instead.

■ 68.7693, 0.3165,
0.3555

■ 68.7693, 0.3165,
0.3555

456.2169, 0.3148,
0.3429

■ 50.5238, 0.3169,
0.3585

117.4520, 0.3159,
0.3511

■ 35.8298, 0.3173,
0.3622

148.6581, 0.3157,
0.3494

■ 24.3028, 0.3178,
0.3669

184.9531, 0.3155,
0.3479

■ 15.5584, 0.3185,
0.3733

226.7215, 0.3153,
0.3466

■ 9.2122, 0.3193,
0.3823

274.3477, 0.3152,
0.3455

■ 4.8799, 0.3203,
0.3957


328.2161, 0.3151,

■ 2.1769, 0.3215,


0.3446

0.4180

388.7110, 0.3149,
0.3437


 0.7074, 0.3507,
0.5638


 0.0000, 0.0000,
0.0000


 68.7693, 0.3165,
0.3555


 68.7693, 0.3165,
0.3555


 65.7500, 0.3199,
0.3836


 72.1572, 0.3129,
0.3300


 63.0780, 0.3230,
0.4141

 75.9167, 0.3092,
0.3073

 60.7428, 0.3254,
0.4462

 79.4510, 0.3115,
0.2957

 58.7302, 0.3268,
0.4788

 80.1959, 0.3143,
0.2960

■ 57.0251, 0.3270,
0.5102

■ 55.6107, 0.3257,
0.5386

■ 54.4686, 0.3228,
0.5619

■ 53.5777, 0.3186,
0.5787

■ 52.9308, 0.3139,
0.5889

Harmonies

Analogous

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



68.7693, 0.3321, 0.3579



68.7693, 0.3165, 0.3555



68.7693, 0.3002, 0.3454

Triad

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



68.7693, 0.3165, 0.3555



68.7693, 0.2834, 0.3053



68.7693, 0.3386, 0.3266

Complementary

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



68.7693, 0.3165, 0.3555



59.8817, 0.3085, 0.3031

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.



68.7693, 0.3249, 0.3134



68.7693, 0.3165, 0.3555



68.7693, 0.2931, 0.3012

Square

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



68.7693, 0.3165, 0.3555



68.7693, 0.2814, 0.3159



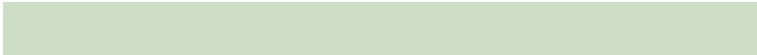
68.7693, 0.3083, 0.3042



68.7693, 0.3452, 0.3407

Rectangle

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



68.7693, 0.3165, 0.3555



68.7693, 0.2910, 0.3358



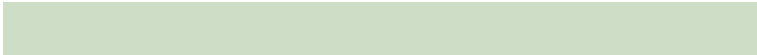
68.7693, 0.3083, 0.3042



68.7693, 0.3347, 0.3219

Sweetspot

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



68.7723, 0.3165, 0.3555



98.5238, 0.3138, 0.3364



67.3944, 0.3291, 0.3466



21.0054, 0.3141, 0.3384



0.0000, 0.0000, 0.0000



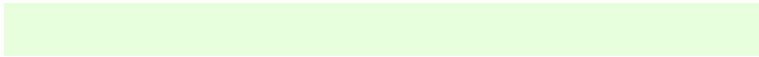
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7723, 0.3165, 0.3555



93.9402, 0.3174, 0.3628



67.9898, 0.3087, 0.3509



14.7984, 0.3161, 0.3528



30.7989, 0.3149, 0.5882



2.0399, 0.3274, 0.5783

Inverse Universe

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



59.8817, 0.3085, 0.3031



78.7701, 0.3073, 0.2961



60.7427, 0.3170, 0.3081



13.0646, 0.3089, 0.3056



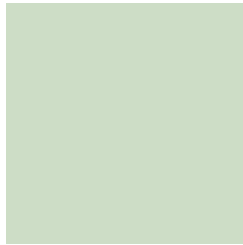
7.0512, 0.2452, 0.1124



0.5013, 0.2579, 0.1194

Previews

White Background



This preview shows how the Yxy color 68.7693, 0.3165, 0.3555 looks on a white background.

Color Contrast Check

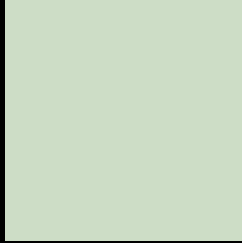
Large Text (above 18pt) WCAG AA × Fail

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 68.7693, 0.3165, 0.3555 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

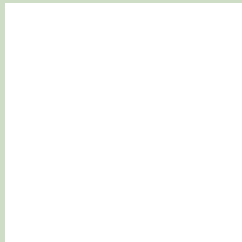
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7693, 0.3165, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 68.7693, 0.3165, 0.3555.

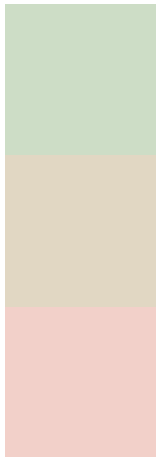


This preview shows how white text looks on a background with the Yxy color 68.7693, 0.3165, 0.3555.

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

68.7693, 0.3165, 0.3555

Protanopia

68.5486, 0.3341, 0.3512

Deuteranopia

68.2060, 0.3440, 0.3365



Tritanopia

68.6966, 0.2974, 0.3103

Trichromacy



Original Color

68.7693, 0.3165, 0.3555

Protanomaly

68.5167, 0.3278, 0.3526

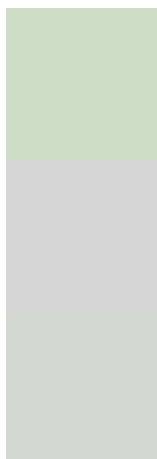
Deuteranomaly

68.4166, 0.3338, 0.3433

Tritanomaly

68.7200, 0.3043, 0.3267

Monochromacy



Original Color

68.7693, 0.3165, 0.3555

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.0287, 0.3144, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7693, 0.3165, 0.3555 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(205, 221, 198)` looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 198)  
}
```

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(205, 221, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 198) }
```

Border

The CSS property to change the border of an element to Yxy 68.7693, 0.3165, 0.3555 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(205, 221, 198) }
```

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

```
.border{ border-color:rgb(205, 221, 198) }
```

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

Here you see how a box with a 4 pixel rgb(205, 221, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 198);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7693, 0.3165, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 198) }
```

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

```
.background{ background-color: rgb(205,  
221, 198) }
```

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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