

Converting Colors

$Yxy(70.4297, 0.3321, 0.4106)$

Have a look what the booklet for
Yxy(70.4297, 0.3321, 0.4106)
contains.

Yxy(70.7689, 0.3321, 0.4106)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7689, 0.3321, 0.4106)

Conversions

Conversions Part 1

Format	Color
Hex	C3E6A1
RGB	195, 230, 161
RGB Percent	76%, 90%, 63%
CMY	0.2352, 0.0980, 0.3687
CMYK	0.15, 0.00, 0.30, 0.10
HSL	90°, 58%, 77%
HSV	90°, 30%, 90%
XYZ	57.2390, 70.7689, 44.3469
YIQ	211.6690, 1.2890, -28.8790

Conversions

Conversions Part 2

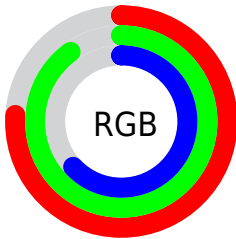
Format	Color
RYB	161, 230, 196
Decimal	12838561
CIELab	87.37, -23.34, 29.98
CIELCh	87, 37.990, 127.899
Yxy	70.7689, 0.3321, 0.4106
Android (android.graphics.Color)	4291028641 (0xFFC3E6A1)
YUV	211.6690, -24.9798, -14.6187
Hunter-Lab	84.1243, -25.7641, 27.6317

Details

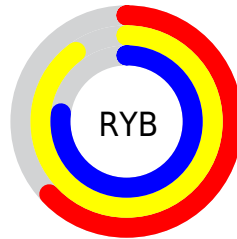
The Yxy color **70.7689, 0.3321, 0.4106** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **42.9208, 0.2873, 0.2478**, and the grayscale version is **65.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1733, 0.3338, 0.3673**, and **36.9517, 0.3348, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **68.5416, 0.3375, 0.4407**, and if you desaturate by 10%, it is **73.2728, 0.3259, 0.3816**.

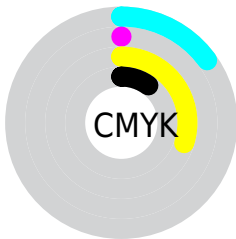
Distribution



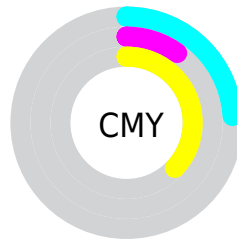
- Red (76%)
- Green (90%)
- Blue (63%)



- Red (63%)
- Yellow (90%)
- Blue (77%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (24%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7689, 0.3321, 0.4106 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 70.7689, 0.3321, 0.4106 by changing the saturation by 10% instead.


 70.7689, 0.3321,
0.4106


 70.7689, 0.3321,
0.4106


463.2452, 0.3240,
0.3713

 52.1536, 0.3337,
0.4199


 120.3046, 0.3295,
0.3967

 37.1275, 0.3354,
0.4316


 151.9938, 0.3285,
0.3913

 25.3063, 0.3373,
0.4466


188.8098, 0.3275,
0.3868

 16.3054, 0.3393,
0.4666

231.1370, 0.3267,
0.3828

 9.7405, 0.3408,
0.4942

279.3597, 0.3259,
0.3794

 5.2272, 0.3405,
0.5344

333.8624, 0.3252,

 2.3812, 0.3585,

0.3763

0.6415

395.0294, 0.3246,
0.3737

0.8162, 0.2016,
0.7984

0.0000, 0.0000,
0.0000

70.7689, 0.3321,
0.4106

70.7689, 0.3321,
0.4106

68.5416, 0.3375,
0.4407

73.2728, 0.3259,
0.3816

66.5706, 0.3418,
0.4707


76.0542, 0.3194,
0.3542


64.8472, 0.3445,
0.4993


79.1258, 0.3127,
0.3290

63.3584, 0.3452,
0.5250


82.4968, 0.3062,
0.3061

 62.0898, 0.3437,
0.5462

 84.7505, 0.3127,
0.3048

 61.0244, 0.3400,
0.5620

 85.0736, 0.3138,
0.3048

 60.1365, 0.3348,
0.5724

Harmonies

Analogous

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



70.7689, 0.3742, 0.4078



70.7689, 0.3321, 0.4106



70.7689, 0.2867, 0.3861

Triad

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



70.7689, 0.3321, 0.4106



70.7689, 0.2310, 0.2680



70.7689, 0.3779, 0.3117

Complementary

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



70.7689, 0.3321, 0.4106



42.9208, 0.2873, 0.2478

Split Complementary

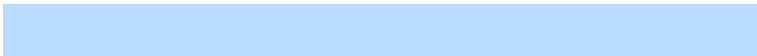
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7689, 0.3348, 0.2804



70.7689, 0.3321, 0.4106



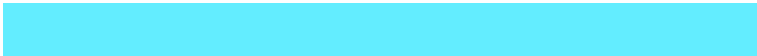
70.7689, 0.2512, 0.2552

Square

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



70.7689, 0.3321, 0.4106



70.7689, 0.2305, 0.2988



70.7689, 0.2882, 0.2602



70.7689, 0.4026, 0.3484

Rectangle

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



70.7689, 0.3321, 0.4106



70.7689, 0.2607, 0.3583



70.7689, 0.2882, 0.2602



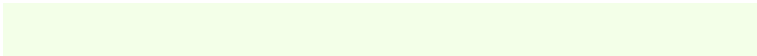
70.7689, 0.3649, 0.3004

Sweetspot

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



70.7720, 0.3321, 0.4106



96.4703, 0.3187, 0.3517



58.6434, 0.3685, 0.3682



20.5326, 0.3197, 0.3556



0.0000, 0.0000, 0.0000



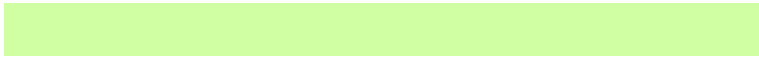
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7720, 0.3321, 0.4106



87.6532, 0.3356, 0.4292



66.7399, 0.3086, 0.4168



16.4365, 0.3190, 0.3528



34.1184, 0.3359, 0.5715



2.5764, 0.3470, 0.5627

Inverse Universe

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



42.9208, 0.2873, 0.2478



47.1439, 0.2807, 0.2294



48.0159, 0.3162, 0.2545



14.2442, 0.3059, 0.3053



5.4296, 0.2039, 0.0897



0.4565, 0.2196, 0.0983

Previews

White Background



This preview shows how the Yxy color 70.7689, 0.3321, 0.4106 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 70.7689, 0.3321, 0.4106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

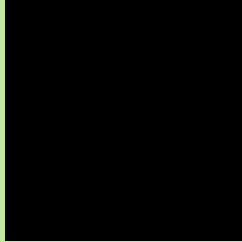
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7689, 0.3321, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 70.7689, 0.3321, 0.4106.

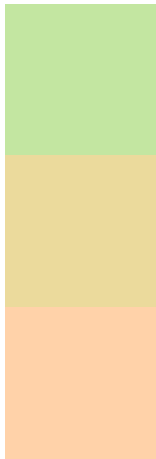


This preview shows how white text looks on a background with the Yxy color 70.7689, 0.3321, 0.4106.

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

70.7689, 0.3321, 0.4106

Protanopia

70.2053, 0.3689, 0.3964

Deuteranopia

70.2178, 0.3781, 0.3715



Tritanopia

70.4813, 0.2916, 0.3092

Trichromacy



Original Color

70.7689, 0.3321, 0.4106

Protanomaly

69.9268, 0.3546, 0.4011

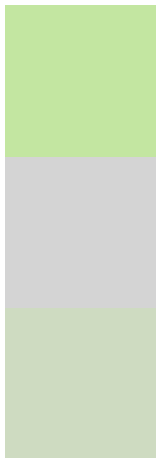
Deuteranomaly

69.7025, 0.3606, 0.3849

Tritanomaly

70.5210, 0.3064, 0.3449

Monochromacy



Original Color

70.7689, 0.3321, 0.4106

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.6351, 0.3207, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7689, 0.3321, 0.4106 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(195, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(195, 230, 161)  
}
```

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(195, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 230, 161) }
```

Border

The CSS property to change the border of an element to Yxy 70.7689, 0.3321, 0.4106 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(195, 230, 161) }
```

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

```
.border{ border-color:rgb(195, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(195, 230,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7689, 0.3321, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 230, 161) }
```

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

```
.background{ background-color: rgb(195,  
230, 161) }
```

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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