

Converting Colors

$Yxy(71.6520, 0.3157, 0.4035)$

Have a look what the booklet for
Yxy(71.6520, 0.3157, 0.4035)
contains.

Yxy(71.7693, 0.3158, 0.4035)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.7693, 0.3158, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	B6EAAC
RGB	182, 234, 172
RGB Percent	71%, 92%, 67%
CMY	0.2861, 0.0824, 0.3254
CMYK	0.22, 0.00, 0.26, 0.08
HSL	110°, 60%, 80%
HSV	110°, 26%, 92%
XYZ	56.1704, 71.7693, 49.9272
YIQ	211.3840, -11.0900, -30.3060

Conversions

Conversions Part 2

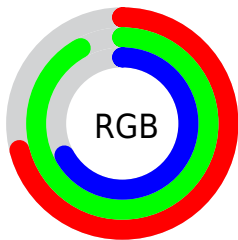
Format	Color
RYB	172, 234, 224
Decimal	11987628
CIELab	87.86, -28.07, 24.84
CIELCh	88, 37.482, 138.495
Yxy	71.7693, 0.3158, 0.4035
Android (android.graphics.Color)	4290177708 (0xFFB6EAAC)
YUV	211.3840, -19.4163, -25.7698
Hunter-Lab	84.7168, -29.9022, 24.3596

Details

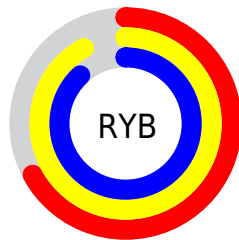
The Yxy color **71.7693, 0.3158, 0.4035** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.2898, 0.3075, 0.2614**, and the grayscale version is **65.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4722, 0.3183, 0.3560**, and **37.7619, 0.3157, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **68.7273, 0.3163, 0.4365**, and if you desaturate by 10%, it is **75.3100, 0.3148, 0.3729**.

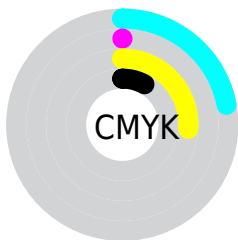
Distribution



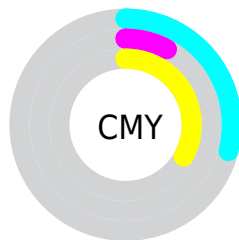
- Red (71%)
- Green (92%)
- Blue (67%)



- Red (67%)
- Yellow (92%)
- Blue (88%)



- Cyan (22%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)




- Cyan (29%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7693, 0.3158, 0.4035 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 71.7693, 0.3158, 0.4035 by changing the saturation by 10% instead.

 71.7693, 0.3158,
0.4035

 71.7693, 0.3158,
0.4035


466.7382, 0.3152,
0.3674

 52.9702, 0.3157,
0.4121

 121.7285, 0.3158,
0.3907

 37.7790, 0.3154,
0.4230

153.6574, 0.3157,
0.3858

 25.8112, 0.3149,
0.4370


190.7317, 0.3156,
0.3816

 16.6825, 0.3137,
0.4558

233.3358, 0.3156,
0.3780

 10.0084, 0.3114,
0.4822

281.8541, 0.3155,
0.3749

 5.4045, 0.3062,
0.5218

336.6711, 0.3154,

 2.4865, 0.3002,

0.3721

398.1709, 0.3153,
0.3696

0.5995

0.8699, 0.1399,
0.8601

0.0000, 0.0000,
0.0000

71.7693, 0.3158,
0.4035

71.7693, 0.3158,
0.4035

68.7273, 0.3163,
0.4365

75.3100, 0.3148,
0.3729

66.1529, 0.3163,
0.4709

79.3611, 0.3136,
0.3453

64.0251, 0.3155,
0.5049

83.9449, 0.3122,
0.3207

62.3180, 0.3139,
0.5364

87.3219, 0.3137,
0.3088

■ 61.0030, 0.3116,
0.5629

■ 60.0475, 0.3086,
0.5823

■ 59.4130, 0.3052,
0.5939

■ 59.2521, 0.3043,
0.5966

Harmonies

Analogous

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



71.7693, 0.3597, 0.4103



71.7693, 0.3158, 0.4035



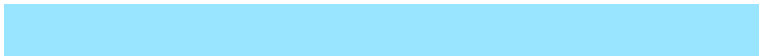
71.7693, 0.2730, 0.3713

Triad

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



71.7693, 0.3158, 0.4035



71.7693, 0.2372, 0.2625



71.7693, 0.3879, 0.3245

Complementary

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



71.7693, 0.3158, 0.4035



51.2898, 0.3075, 0.2614

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.



71.7693, 0.3505, 0.2911



71.7693, 0.3158, 0.4035



71.7693, 0.2635, 0.2562

Square

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



71.7693, 0.3158, 0.4035



71.7693, 0.2297, 0.2868



71.7693, 0.3043, 0.2668



71.7693, 0.4034, 0.3609

Rectangle

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



71.7693, 0.3158, 0.4035



71.7693, 0.2506, 0.3417



71.7693, 0.3043, 0.2668



71.7693, 0.3774, 0.3127

Sweetspot

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



71.7724, 0.3158, 0.4035



95.6557, 0.3138, 0.3494



73.6008, 0.3553, 0.3849



20.3094, 0.3140, 0.3534



0.0000, 0.0000, 0.0000



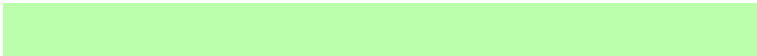
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7724, 0.3158, 0.4035



85.0693, 0.3162, 0.4220



71.4496, 0.2971, 0.3789



16.9793, 0.3140, 0.3532



33.3341, 0.3049, 0.5961



2.6526, 0.3128, 0.5898

Inverse Universe

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



51.2898, 0.3075, 0.2614



56.0995, 0.3060, 0.2466



51.8221, 0.3327, 0.2839



15.1831, 0.3112, 0.3056



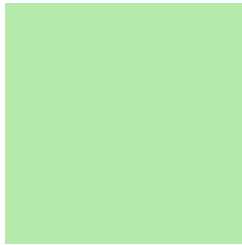
9.9870, 0.2803, 0.1318



0.8172, 0.2863, 0.1351

Previews

White Background



This preview shows how the Yxy color 71.7693, 0.3158, 0.4035 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 71.7693, 0.3158, 0.4035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

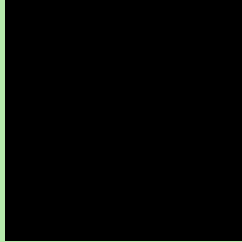
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7693, 0.3158, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 71.7693, 0.3158, 0.4035.

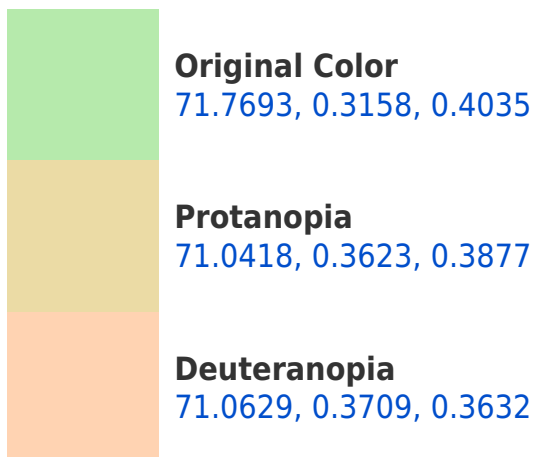


This preview shows how white text looks on a background with the Yxy color 71.7693, 0.3158, 0.4035.

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

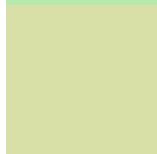
71.7908, 0.2813, 0.3090

Trichromacy



Original Color

71.7693, 0.3158, 0.4035



Protanomaly

70.7374, 0.3443, 0.3925



Deuteranomaly

70.2916, 0.3491, 0.3766



Tritanomaly

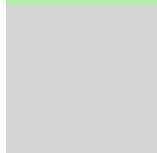
71.4437, 0.2941, 0.3416

Monochromacy



Original Color

71.7693, 0.3158, 0.4035



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.9736, 0.3137, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7693, 0.3158, 0.4035 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(182, 234, 172)` looks like.

```
.text, #text, p{  
    color:rgb(182, 234, 172)  
}
```

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(182, 234, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 234, 172) }
```

Border

The CSS property to change the border of an element to Yxy 71.7693, 0.3158, 0.4035 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(182, 234, 172) }
```

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

```
.border{ border-color:rgb(182, 234, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 234, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 234, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 234, 172);  
box-shadow:4px 4px 4px 4px rgb(182, 234,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7693, 0.3158, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 234, 172) }
```

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

```
.background{ background-color: rgb(182,  
234, 172) }
```

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