

Converting Colors

$Yxy(72.1002, 0.3182, 0.4174)$

Have a look what the booklet for
Yxy(72.1002, 0.3182, 0.4174)
contains.

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Color

Yxy(72.1002, 0.3182, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	B2ECA3
RGB	178, 236, 163
RGB Percent	70%, 93%, 64%
CMY	0.3020, 0.0745, 0.3608
CMYK	0.25, 0.00, 0.31, 0.07
HSL	108°, 66%, 78%
HSV	108°, 31%, 93%
XYZ	54.9647, 72.1002, 45.6715
YIQ	210.3360, -11.1350, -34.9990

Conversions

Conversions Part 2

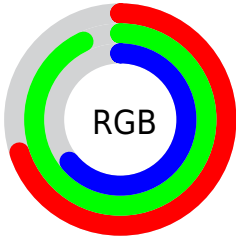
Format	Color
RYB	163, 236, 221
Decimal	11725987
CIELab	88.02, -31.78, 29.63
CIELCh	88, 43.448, 137.009
Yxy	72.1002, 0.3182, 0.4174
Android (android.graphics.Color)	4289916067 (0xFFB2ECA3)
YUV	210.3360, -23.3366, -28.3587
Hunter-Lab	84.9118, -33.0499, 27.5480

Details

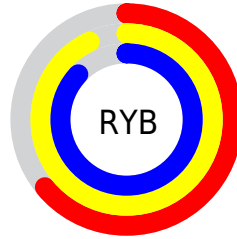
The Yxy color **72.1002, 0.3182, 0.4174** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **47.6285, 0.3037, 0.2491**, and the grayscale version is **64.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2441, 0.3216, 0.3666**, and **38.0753, 0.3179, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **69.2657, 0.3191, 0.4508**, and if you desaturate by 10%, it is **75.4021, 0.3168, 0.3859**.

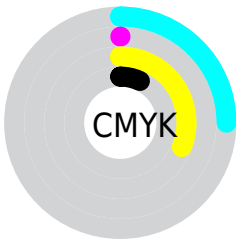
Distribution



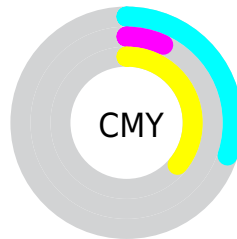
- Red (70%)
- Green (93%)
- Blue (64%)



- Red (64%)
- Yellow (93%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)




- Cyan (30%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1002, 0.3182, 0.4174 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 72.1002, 0.3182, 0.4174 by changing the saturation by 10% instead.


 72.1002, 0.3182,
0.4174


 72.1002, 0.3182,
0.4174

467.8903, 0.3169,
0.3745

 53.2405, 0.3182,
0.4277

 122.1990, 0.3180,
0.4021

 37.9948, 0.3179,
0.4406


 154.2069, 0.3178,
0.3963

 25.9787, 0.3173,
0.4573


191.3663, 0.3177,
0.3913

 16.8077, 0.3158,
0.4797

234.0617, 0.3175,
0.3870

 10.0975, 0.3127,
0.5109

282.6774, 0.3173,
0.3833

 5.4636, 0.3055,
0.5571

337.5978, 0.3172,

 2.5218, 0.3052,

0.3800

0.6682

399.2073, 0.3170,
0.3771

0.8875, 0.0709,
0.9291

0.0000, 0.0000,
0.0000

72.1002, 0.3182,
0.4174

72.1002, 0.3182,
0.4174

69.2657, 0.3191,
0.4508

75.4021, 0.3168,
0.3859

66.8684, 0.3192,
0.4847

79.1817, 0.3149,
0.3571

64.8885, 0.3184,
0.5174

83.4607, 0.3129,
0.3313

63.3012, 0.3165,
0.5466

88.1005, 0.3123,
0.3106

■ 62.0789, 0.3136,
0.5701

■ 88.4750, 0.3136,
0.3107

■ 61.1899, 0.3099,
0.5863

■ 60.6342, 0.3065,
0.5949

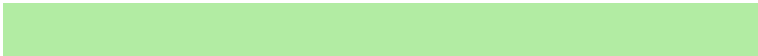
Harmonies

Analogous

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



72.1002, 0.3686, 0.4227



72.1002, 0.3182, 0.4174



72.1002, 0.2688, 0.3808

Triad

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



72.1002, 0.3182, 0.4174



72.1002, 0.2255, 0.2534



72.1002, 0.3983, 0.3212

Complementary

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



72.1002, 0.3182, 0.4174



47.6285, 0.3037, 0.2491

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.



72.1002, 0.3537, 0.2839



72.1002, 0.3182, 0.4174



72.1002, 0.2541, 0.2458

Square

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



72.1002, 0.3182, 0.4174



72.1002, 0.2181, 0.2816



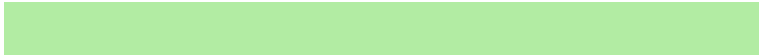
72.1002, 0.3001, 0.2571



72.1002, 0.4175, 0.3626

Rectangle

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



72.1002, 0.3182, 0.4174



72.1002, 0.2428, 0.3460



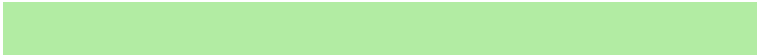
72.1002, 0.3001, 0.2571



72.1002, 0.3856, 0.3080

Sweetspot

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



72.1033, 0.3182, 0.4174



95.3124, 0.3146, 0.3520



71.7648, 0.3641, 0.3909



20.2485, 0.3149, 0.3559



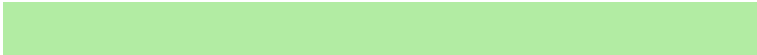
0.0000, 0.0000, 0.0000



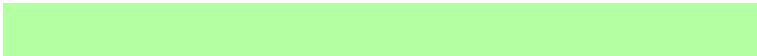
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1033, 0.3182, 0.4174



83.7862, 0.3188, 0.4380



71.2297, 0.2967, 0.3934



17.0110, 0.3146, 0.3531



33.4644, 0.3073, 0.5942



2.6677, 0.3161, 0.5872

Inverse Universe

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



47.6285, 0.3037, 0.2491



50.3578, 0.3012, 0.2326



48.9533, 0.3338, 0.2723



15.1486, 0.3105, 0.3056



9.2574, 0.2695, 0.1258



0.7662, 0.2770, 0.1300

Previews

White Background



This preview shows how the Yxy color 72.1002, 0.3182, 0.4174 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 72.1002, 0.3182, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

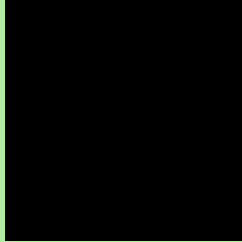
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1002, 0.3182, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 72.1002, 0.3182, 0.4174.

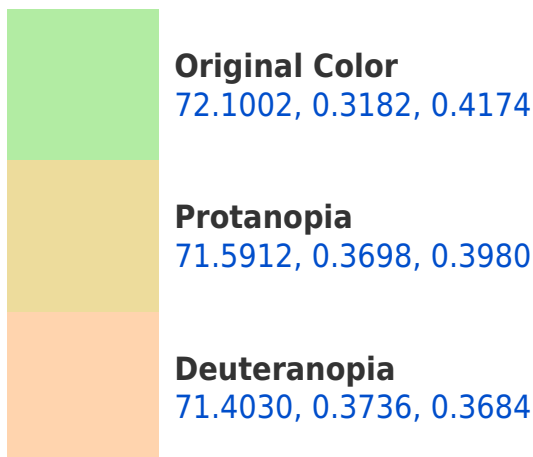


This preview shows how white text looks on a background with the Yxy color 72.1002, 0.3182, 0.4174.

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

72.0007, 0.2789, 0.3089

Trichromacy



Original Color

72.1002, 0.3182, 0.4174



Protanomaly

71.4948, 0.3498, 0.4048



Deuteranomaly

70.9461, 0.3520, 0.3855



Tritanomaly

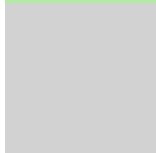
71.9390, 0.2928, 0.3463

Monochromacy



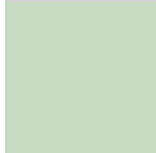
Original Color

72.1002, 0.3182, 0.4174



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.5191, 0.3149, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1002, 0.3182, 0.4174 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(178, 236, 163)` looks like.

```
.text, #text, p{  
    color:rgb(178, 236, 163)  
}
```

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(178, 236, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 236, 163) }
```

Border

The CSS property to change the border of an element to Yxy 72.1002, 0.3182, 0.4174 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(178, 236, 163) }
```

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

```
.border{ border-color:rgb(178, 236, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 236, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 236, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 236, 163); box-shadow:4px 4px 4px 4px rgb(178, 236, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1002, 0.3182, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 236, 163) }
```

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

```
.background{ background-color: rgb(178,  
236, 163) }
```

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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