

Converting Colors

$Yxy(75.0636, 0.3225, 0.3620)$

Have a look what the booklet for
Yxy(75.0636, 0.3225, 0.3620)
contains.

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Color

Yxy(74.8077, 0.3223, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5C8
RGB	216, 229, 200
RGB Percent	85%, 90%, 78%
CMY	0.1531, 0.1019, 0.2158
CMYK	0.06, 0.00, 0.13, 0.10
HSL	87°, 36%, 84%
HSV	87°, 13%, 90%
XYZ	66.7512, 74.8077, 65.5499
YIQ	221.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

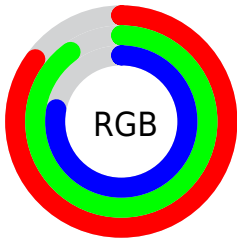
Format	Color
R_{YB}	200, 229, 213
Decimal	14214600
CIE Lab	89.30, -9.45, 12.68
CIE LCh	89, 15.817, 126.708
Yxy	74.8077, 0.3223, 0.3612
Android (android.graphics.Color)	4292404680 (0xFFD8E5C8)
YUV	221.8070, -10.7509, -5.0927
Hunter-Lab	86.4914, -13.5998, 15.6094

Details

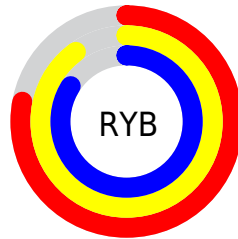
The Yxy color $74.8077, 0.3223, 0.3612$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $61.1090, 0.3022, 0.2966$, and the grayscale version is $72.9762, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.9245, 0.3243, 0.3697$ is the 20% darker color. If you saturate the color by 10%, you get $72.2992, 0.3297, 0.3887$, and if you desaturate by 10%, it is $77.5815, 0.3147, 0.3355$.

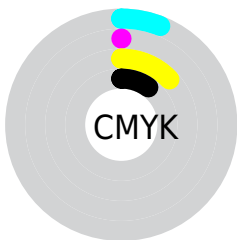
Distribution



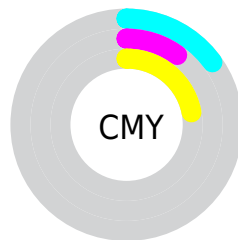
- Red (85%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8077, 0.3223, 0.3612 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 74.8077, 0.3223, 0.3612 by changing the saturation by 10% instead.

■ 74.8077, 0.3223,
0.3612

■ 74.8077, 0.3223,
0.3612

477.2564, 0.3180,
0.3461

■ 55.4554, 0.3232,
0.3647

126.0401, 0.3208,
0.3559

■ 39.7664, 0.3244,
0.3690

158.6890, 0.3203,
0.3539

■ 27.3565, 0.3258,
0.3746

196.5388, 0.3198,
0.3521

■ 17.8411, 0.3276,
0.3819

239.9740, 0.3193,
0.3506

■ 10.8360, 0.3299,
0.3919

289.3790, 0.3189,
0.3493

■ 5.9567, 0.3331,
0.4067

345.1381, 0.3186,

■ 2.8187, 0.3373,

0.3481

0.4302

407.6358, 0.3183,
0.3471

■ 1.0378, 0.3702,
0.5136

■ 0.0000, 0.0000,
0.0000

■ 74.8077, 0.3223,
0.3612

■ 74.8077, 0.3223,
0.3612

■ 72.2992, 0.3297,
0.3887

■ 77.5815, 0.3147,
0.3355

■ 70.0374, 0.3367,
0.4176

■ 80.6192, 0.3073,
0.3120

■ 68.0159, 0.3429,
0.4471

■ 83.0191, 0.3084,
0.3034

■ 66.2247, 0.3477,
0.4760

■ 84.5298, 0.3139,
0.3039

■ 64.6526, 0.3508,
0.5030

■ 63.2874, 0.3517,
0.5266

■ 62.1152, 0.3502,
0.5456

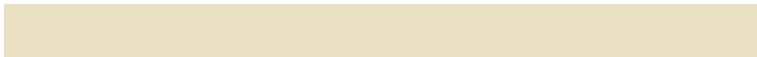
■ 61.1195, 0.3465,
0.5591

■ 60.4848, 0.3428,
0.5660

Harmonies

Analogous

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



74.8077, 0.3391, 0.3612



74.8077, 0.3223, 0.3612



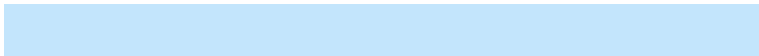
74.8077, 0.3033, 0.3518

Triad

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



74.8077, 0.3223, 0.3612



74.8077, 0.2777, 0.3046



74.8077, 0.3386, 0.3217

Complementary

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



74.8077, 0.3223, 0.3612



61.1090, 0.3022, 0.2966

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.



74.8077, 0.3214, 0.3077



74.8077, 0.3223, 0.3612



74.8077, 0.2865, 0.2977

Square

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



74.8077, 0.3223, 0.3612



74.8077, 0.2779, 0.3184



74.8077, 0.3023, 0.2990



74.8077, 0.3488, 0.3379

Rectangle

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



74.8077, 0.3223, 0.3612



74.8077, 0.2920, 0.3416



74.8077, 0.3023, 0.2990



74.8077, 0.3334, 0.3166

Sweetspot

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



74.8109, 0.3223, 0.3612



98.5004, 0.3157, 0.3389



68.1992, 0.3339, 0.3429



21.0241, 0.3163, 0.3407



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.



74.8109, 0.3223, 0.3612



94.6580, 0.3241, 0.3677



72.7634, 0.3125, 0.3622



16.4779, 0.3199, 0.3527



34.6479, 0.3438, 0.5652



2.6153, 0.3543, 0.5568

Inverse Universe

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



61.1090, 0.3022, 0.2966



74.2021, 0.2999, 0.2901



63.3010, 0.3127, 0.2977



14.2030, 0.3050, 0.3052



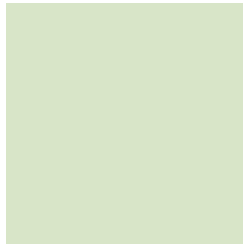
4.9531, 0.1932, 0.0838



0.4205, 0.2095, 0.0928

Previews

White Background



This preview shows how the Yxy color 74.8077, 0.3223, 0.3612 looks on a white background.

Color Contrast Check

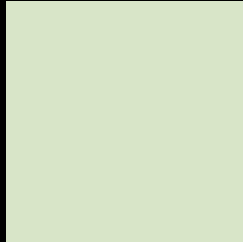
Large Text (above 18pt) WCAG AA × Fail

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 74.8077, 0.3223, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

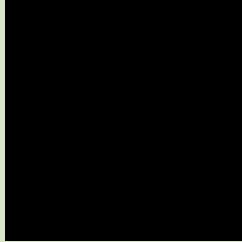
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

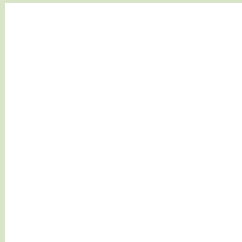
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8077, 0.3223, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 74.8077, 0.3223, 0.3612.

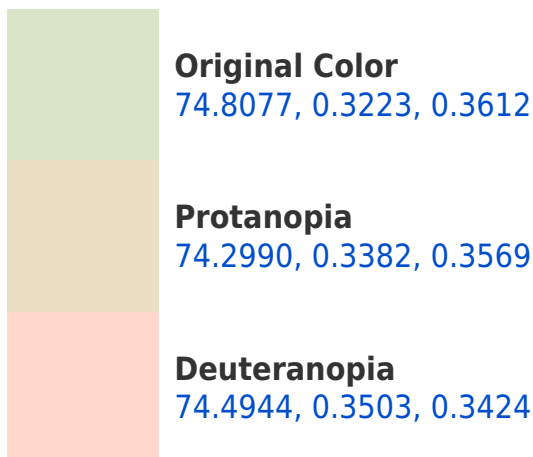


This preview shows how white text looks on a background with the Yxy color 74.8077, 0.3223, 0.3612.

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

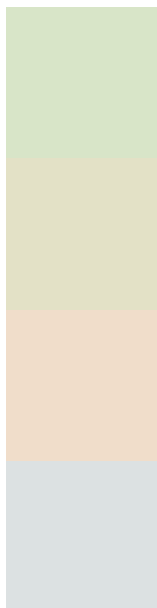




Tritanopia

74.6558, 0.3005, 0.3100

Trichromacy



Original Color

74.8077, 0.3223, 0.3612

Protanomaly

74.2585, 0.3320, 0.3584

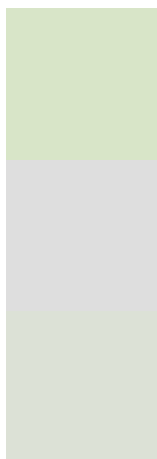
Deuteranomaly

74.5024, 0.3395, 0.3491

Tritanomaly

74.5571, 0.3086, 0.3279

Monochromacy



Original Color

74.8077, 0.3223, 0.3612

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.9211, 0.3164, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8077, 0.3223, 0.3612 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(216, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 200)  
}
```

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(216, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 200) }
```

Border

The CSS property to change the border of an element to Yxy 74.8077, 0.3223, 0.3612 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(216, 229, 200) }
```

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

```
.border{ border-color:rgb(216, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 229, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 229, 200); box-shadow:4px 4px 4px 4px rgb(216, 229, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8077, 0.3223, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 200) }
```

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

```
.background{ background-color: rgb(216,  
229, 200) }
```

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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