

Converting Colors

$Yxy(75.9845, 0.3224, 0.3632)$

Have a look what the booklet for
Yxy(75.9845, 0.3224, 0.3632)
contains.

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Color

Yxy(75.9209, 0.3221, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	D8E7C8
RGB	216, 231, 200
RGB Percent	85%, 91%, 78%
CMY	0.1531, 0.0941, 0.2157
CMYK	0.07, 0.00, 0.13, 0.09
HSL	89°, 39%, 85%
HSV	89°, 13%, 91%
XYZ	67.3111, 75.9209, 65.7438
YIQ	222.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

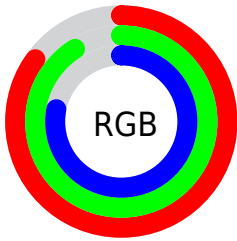
Format	Color
RYB	200, 231, 215
Decimal	14215112
CIELab	89.82, -10.46, 13.41
CIELCh	90, 17.005, 127.942
Yxy	75.9209, 0.3221, 0.3633
Android (android.graphics.Color)	4292405192 (0xFFD8E7C8)
YUV	222.9810, -11.3296, -6.1223
Hunter-Lab	87.1326, -14.5884, 16.2570

Details

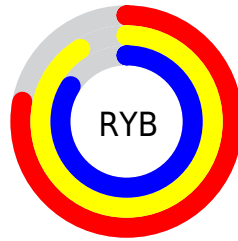
The Yxy color **75.9209, 0.3221, 0.3633** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5287, 0.3023, 0.2947**, and the grayscale version is **73.8568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3123, 0.3241, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **73.2754, 0.3289, 0.3912**, and if you desaturate by 10%, it is **78.8526, 0.3151, 0.3374**.

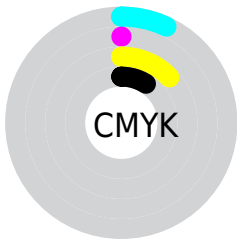
Distribution



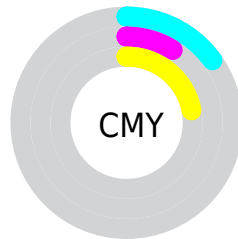
- Red (85%)
- Green (91%)
- Blue (78%)



- Red (78%)
- Yellow (91%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)





- Cyan (15%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9209, 0.3221, 0.3633 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 75.9209, 0.3221, 0.3633 by changing the saturation by 10% instead.

 75.9209, 0.3221,
0.3633

 75.9209, 0.3221,
0.3633

481.0769, 0.3179,
0.3473

 56.3676, 0.3230,
0.3670


127.6151, 0.3207,
0.3577

 40.4978, 0.3241,
0.3716

160.5248, 0.3201,
0.3555

 27.9269, 0.3254,
0.3775


198.6555, 0.3196,
0.3537

 18.2705, 0.3271,
0.3852

242.3915, 0.3192,
0.3520

 11.1444, 0.3293,
0.3959

292.1173, 0.3188,
0.3506

 6.1640, 0.3322,
0.4114

348.2171, 0.3185,

 2.9451, 0.3359,

0.3494

0.4362

411.0756, 0.3182,
0.3483

■ 1.1031, 0.3658,
0.5184

■ 0.0000, 0.0000,
0.0000

■ 75.9209, 0.3221,
0.3633

■ 75.9209, 0.3221,
0.3633

■ 73.2754, 0.3289,
0.3912

■ 78.8526, 0.3151,
0.3374

■ 70.8966, 0.3353,
0.4205

■ 82.0698, 0.3082,
0.3137

■ 68.7777, 0.3407,
0.4504

■ 84.6290, 0.3102,
0.3056

■ 66.9076, 0.3448,
0.4798

■ 85.6410, 0.3138,
0.3058

■ 65.2744, 0.3472,
0.5072

■ 63.8649, 0.3475,
0.5312

■ 62.6641, 0.3454,
0.5503

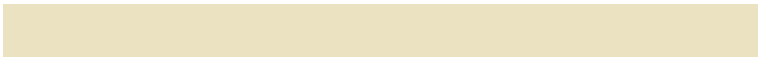
■ 61.6544, 0.3412,
0.5638

■ 61.0784, 0.3377,
0.5701

Harmonies

Analogous

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



75.9209, 0.3403, 0.3636



75.9209, 0.3221, 0.3633



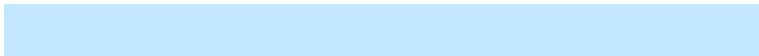
75.9209, 0.3018, 0.3529

Triad

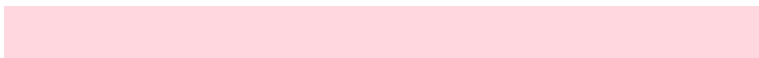
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9209, 0.3221, 0.3633



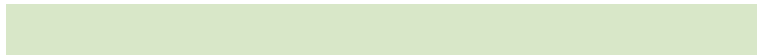
75.9209, 0.2755, 0.3024



75.9209, 0.3411, 0.3219

Complementary

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



75.9209, 0.3221, 0.3633



61.5287, 0.3023, 0.2947

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.



75.9209, 0.3229, 0.3068



75.9209, 0.3221, 0.3633



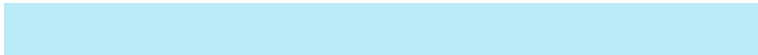
75.9209, 0.2852, 0.2955

Square

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



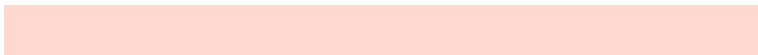
75.9209, 0.3221, 0.3633



75.9209, 0.2754, 0.3169



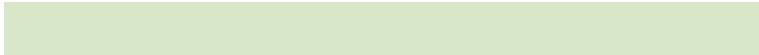
75.9209, 0.3024, 0.2972



75.9209, 0.3516, 0.3391

Rectangle

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



75.9209, 0.3221, 0.3633



75.9209, 0.2899, 0.3418



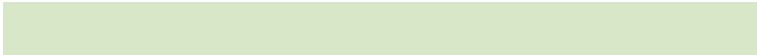
75.9209, 0.3024, 0.2972



75.9209, 0.3356, 0.3164

Sweetspot

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



75.9242, 0.3221, 0.3633



98.4338, 0.3155, 0.3389



69.7556, 0.3351, 0.3454



21.0072, 0.3161, 0.3408



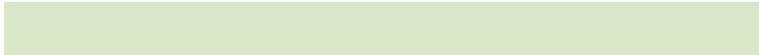
0.0000, 0.0000, 0.0000



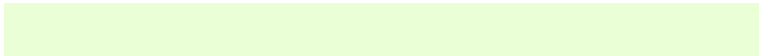
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9242, 0.3221, 0.3633



94.0824, 0.3239, 0.3705



73.6802, 0.3114, 0.3644



16.4521, 0.3193, 0.3527



34.3102, 0.3388, 0.5692



2.5907, 0.3497, 0.5605

Inverse Universe

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



61.5287, 0.3023, 0.2947



72.9060, 0.2999, 0.2874



63.9808, 0.3139, 0.2959



14.2286, 0.3056, 0.3052



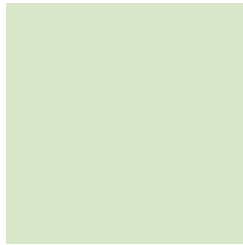
5.2416, 0.1997, 0.0874



0.4424, 0.2157, 0.0962

Previews

White Background



This preview shows how the Yxy color 75.9209, 0.3221, 0.3633 looks on a white background.

Color Contrast Check

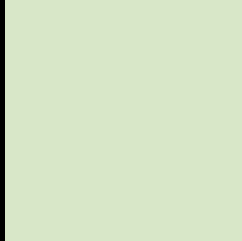
Large Text (above 18pt) WCAG AA × Fail

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 75.9209, 0.3221, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

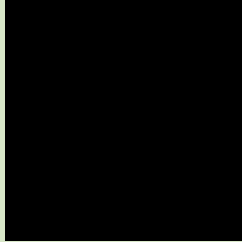
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

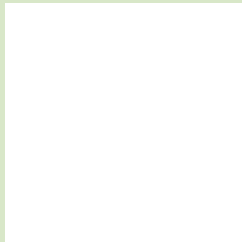
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9209, 0.3221, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 75.9209, 0.3221, 0.3633.

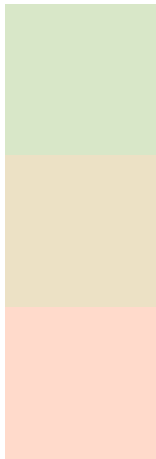


This preview shows how white text looks on a background with the Yxy color 75.9209, 0.3221, 0.3633.

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

75.9209, 0.3221, 0.3633

Protanopia

75.7145, 0.3394, 0.3589

Deuteranopia

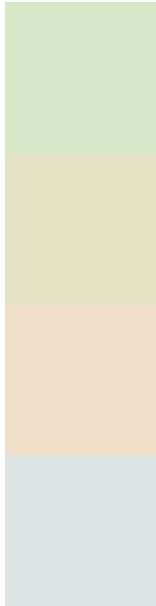
75.7146, 0.3506, 0.3444



Tritanopia

75.8511, 0.2993, 0.3100

Trichromacy



Original Color

75.9209, 0.3221, 0.3633

Protanomaly

75.6734, 0.3332, 0.3604

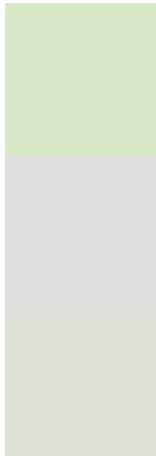
Deuteranomaly

75.7404, 0.3399, 0.3511

Tritanomaly

75.6999, 0.3079, 0.3290

Monochromacy



Original Color

75.9209, 0.3221, 0.3633

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5147, 0.3156, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9209, 0.3221, 0.3633 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, 231, 200)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 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, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 200) }
```

Border

The CSS property to change the border of an element to Yxy 75.9209, 0.3221, 0.3633 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, 231, 200) }
```

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

```
.border{ border-color:rgb(216, 231, 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, 231, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 200);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9209, 0.3221, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 200) }
```

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

```
.background{ background-color: rgb(216,  
231, 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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