

Converting Colors

$Yxy(77.2634, 0.3265, 0.3605)$

Have a look what the booklet for
Yxy(77.2634, 0.3265, 0.3605)
contains.

Yxy(77.2634, 0.3265, 0.3605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2634, 0.3265, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	E0E7CA
RGB	224, 231, 202
RGB Percent	88%, 91%, 79%
CMY	0.1215, 0.0941, 0.2080
CMYK	0.03, 0.00, 0.13, 0.09
HSL	74°, 38%, 85%
HSV	74°, 13%, 91%
XYZ	69.9764, 77.2634, 67.0831
YIQ	225.6010, 5.1370, -10.5030

Conversions

Conversions Part 2

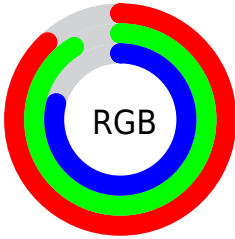
Format	Color
R _Y B	202, 231, 209
Decimal	14739402
CIE Lab	90.44, -7.32, 13.34
CIE LCh	90, 15.217, 118.762
Yxy	77.2634, 0.3265, 0.3605
Android (android.graphics.Color)	4292929482 (0xFFE0E7CA)
YUV	225.6010, -11.6353, -1.4041
Hunter-Lab	87.8996, -11.7214, 16.2809

Details

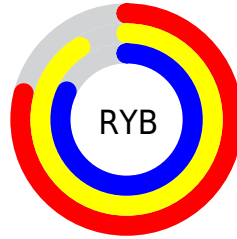
The Yxy color $77.2634, 0.3265, 0.3605$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $61.5474, 0.2978, 0.2965$, and the grayscale version is $75.8346, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.2331, 0.3298, 0.3672$ is the 20% darker color. If you saturate the color by 10%, you get $75.3786, 0.3375, 0.3870$, and if you desaturate by 10%, it is $79.3479, 0.3155, 0.3352$.

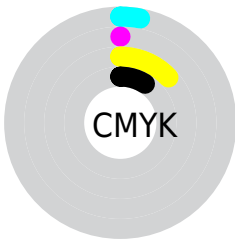
Distribution



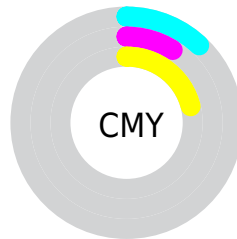
- Red (88%)
- Green (91%)
- Blue (79%)



- Red (79%)
- Yellow (91%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2634, 0.3265, 0.3605 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 77.2634, 0.3265, 0.3605 by changing the saturation by 10% instead.

■ 77.2634, 0.3265,
0.3605

■ 77.2634, 0.3265,
0.3605

485.6616, 0.3203,
0.3459

■ 57.4691, 0.3279,
0.3639

129.5112, 0.3244,
0.3554

■ 41.3820, 0.3296,
0.3680

162.7335, 0.3235,
0.3534

■ 28.6177, 0.3316,
0.3733

201.2006, 0.3228,
0.3517

■ 18.7918, 0.3343,
0.3802

245.2969, 0.3222,
0.3503

■ 11.5199, 0.3378,
0.3896

295.4067, 0.3216,
0.3490

■ 6.4177, 0.3427,
0.4032

351.9145, 0.3211,

■ 3.1007, 0.3496,

0.3478

0.4245

415.2047, 0.3207,
0.3468

■ 1.1845, 0.3791,
0.4868

■ 0.0490, 0.0000,
1.0000

■ 77.2634, 0.3265,
0.3605

■ 77.2634, 0.3265,
0.3605

■ 75.3786, 0.3375,
0.3870

■ 79.3479, 0.3155,
0.3352

■ 73.6757, 0.3482,
0.4140

■ 81.6290, 0.3048,
0.3116

■ 72.1502, 0.3581,
0.4408

■ 83.0238, 0.3043,
0.3051

■ 70.7932, 0.3666,
0.4663

■ 84.0166, 0.3080,
0.3054

■ 69.5951, 0.3733,
0.4893

■ 85.0396, 0.3117,
0.3057

■ 68.5452, 0.3776,
0.5088

■ 85.6348, 0.3138,
0.3058

■ 67.6312, 0.3794,
0.5238

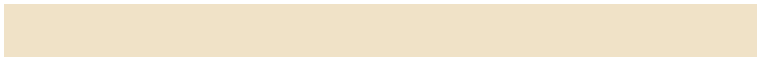
■ 66.8382, 0.3786,
0.5340

■ 66.3101, 0.3767,
0.5391

Harmonies

Analogous

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



77.2634, 0.3411, 0.3581



77.2634, 0.3265, 0.3605



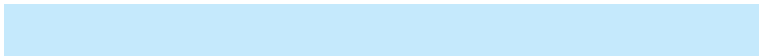
77.2634, 0.3085, 0.3538

Triad

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



77.2634, 0.3265, 0.3605



77.2634, 0.2785, 0.3087



77.2634, 0.3335, 0.3182

Complementary

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



77.2634, 0.3265, 0.3605



61.5474, 0.2978, 0.2965

Split Complementary

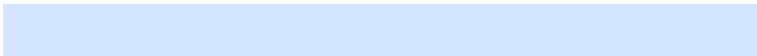
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2634, 0.3162, 0.3059



77.2634, 0.3265, 0.3605



77.2634, 0.2847, 0.3002

Square

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



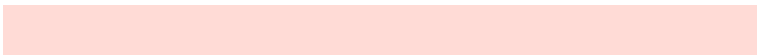
77.2634, 0.3265, 0.3605



77.2634, 0.2811, 0.3232



77.2634, 0.2984, 0.2993



77.2634, 0.3453, 0.3334

Rectangle

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



77.2634, 0.3265, 0.3605



77.2634, 0.2970, 0.3451



77.2634, 0.2984, 0.2993



77.2634, 0.3281, 0.3136

Sweetspot

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



77.2668, 0.3265, 0.3605



98.8973, 0.3171, 0.3388



66.7289, 0.3346, 0.3365



21.1247, 0.3179, 0.3407



0.0000, 0.0000, 0.0000



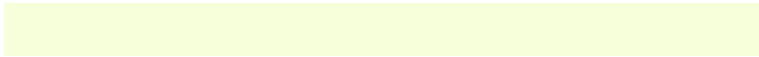
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2668, 0.3265, 0.3605



96.0708, 0.3293, 0.3671



75.0773, 0.3165, 0.3615



16.6331, 0.3231, 0.3525



37.2326, 0.3774, 0.5385



2.7934, 0.3838, 0.5335

Inverse Universe

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



61.5474, 0.2978, 0.2965



72.8799, 0.2945, 0.2894



63.7270, 0.3084, 0.2975



14.0539, 0.3018, 0.3050



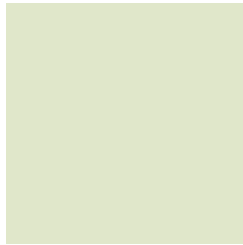
3.7481, 0.1638, 0.0676



0.3193, 0.1782, 0.0755

Previews

White Background



This preview shows how the Yxy color 77.2634, 0.3265, 0.3605 looks on a white background.

Color Contrast Check

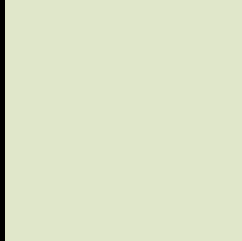
Large Text (above 18pt) WCAG AA × Fail

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 77.2634, 0.3265, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

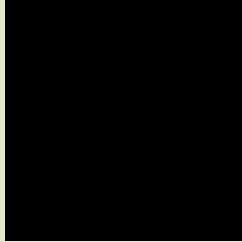
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

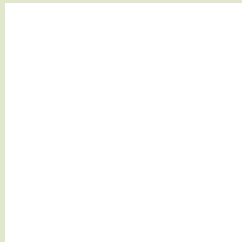
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2634, 0.3265, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 77.2634, 0.3265, 0.3605.

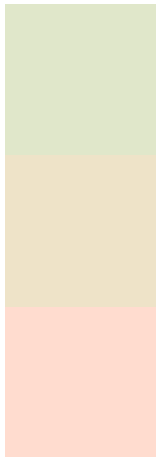


This preview shows how white text looks on a background with the Yxy color 77.2634, 0.3265, 0.3605.

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

77.2634, 0.3265, 0.3605

Protanopia

77.2854, 0.3384, 0.3576

Deuteranopia

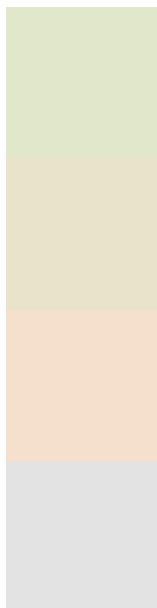
76.9514, 0.3474, 0.3423



Tritanopia

77.1445, 0.3047, 0.3103

Trichromacy



Original Color

77.2634, 0.3265, 0.3605

Protanomaly

77.0275, 0.3340, 0.3578

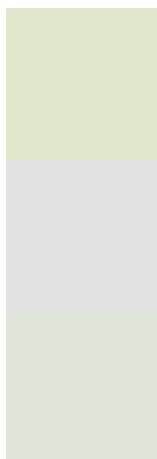
Deuteranomaly

76.9522, 0.3399, 0.3488

Tritanomaly

77.0336, 0.3128, 0.3279

Monochromacy



Original Color

77.2634, 0.3265, 0.3605

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5041, 0.3177, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2634, 0.3265, 0.3605 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(224, 231, 202)` looks like.

```
.text, #text, p{  
    color:rgb(224, 231, 202)  
}
```

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(224, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 231, 202) }
```

Border

The CSS property to change the border of an element to Yxy 77.2634, 0.3265, 0.3605 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(224, 231, 202) }
```

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

```
.border{ border-color:rgb(224, 231, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 231, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(224, 231,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2634, 0.3265, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 231, 202) }
```

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

```
.background{ background-color: rgb(224,  
231, 202) }
```

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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