

Converting Colors

$Yxy(77.3170, 0.3029, 0.3331)$

Have a look what the booklet for
Yxy(77.3170, 0.3029, 0.3331)
contains.

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Color

Yxy(77.4608, 0.3025, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	D5E8E4
RGB	213, 232, 228
RGB Percent	84%, 91%, 89%
CMY	0.1647, 0.0902, 0.1059
CMYK	0.08, 0.00, 0.02, 0.09
HSL	167°, 29%, 87%
HSV	167°, 8%, 91%
XYZ	70.3027, 77.4608, 84.6421
YIQ	225.8630, -10.0400, -5.2720

Conversions

Conversions Part 2

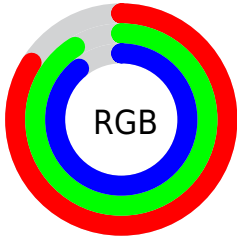
Format	Color
R _Y B	213, 224, 232
Decimal	14018788
CIE Lab	90.53, -7.01, -0.22
CIE LCh	91, 7.015, 181.780
Yxy	77.4608, 0.3025, 0.3333
Android (android.graphics.Color)	4292208868 (0xFFD5E8E4)
YUV	225.8630, 1.0535, -11.2809
Hunter-Lab	88.0118, -11.4372, 4.5883

Details

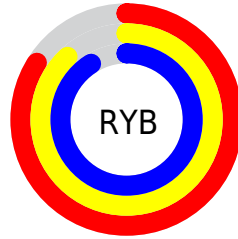
The Yxy color **77.4608, 0.3025, 0.3333** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7618, 0.3240, 0.3247**, and the grayscale version is **75.9499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3369, 0.2996, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **73.9711, 0.2905, 0.3390**, and if you desaturate by 10%, it is **81.4610, 0.3150, 0.3281**.

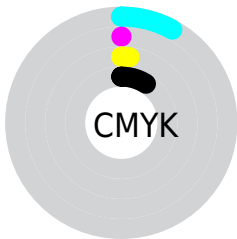
Distribution



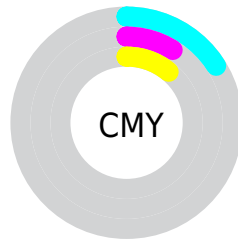
- Red (84%)
- Green (91%)
- Blue (89%)



- Red (84%)
- Yellow (88%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4608, 0.3025, 0.3333 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 77.4608, 0.3025, 0.3333 by changing the saturation by 10% instead.

■ 77.4608, 0.3025,
0.3333

■ 77.4608, 0.3025,
0.3333

486.3337, 0.3072,
0.3313

■ 57.6311, 0.3014,
0.3337

129.7897, 0.3041,
0.3326

■ 41.5122, 0.3001,
0.3343

163.0578, 0.3047,
0.3324

■ 28.7195, 0.2985,
0.3350

201.5742, 0.3053,
0.3321

■ 18.8687, 0.2964,
0.3359

245.7232, 0.3058,
0.3319

■ 11.5755, 0.2935,
0.3371

295.8892, 0.3062,
0.3318

■ 6.4553, 0.2894,
0.3388

352.4568, 0.3066,

■ 3.1239, 0.2830,

0.3316

415.8101, 0.3069,
0.3315

0.3414

1.1967, 0.2720,
0.3459

0.0590, 0.0000,
0.4261

77.4608, 0.3025,
0.3333

77.4608, 0.3025,
0.3333

73.9711, 0.2905,
0.3390

81.4610, 0.3150,
0.3281

70.9611, 0.2793,
0.3453


85.1350, 0.3247,
0.3234

68.4116, 0.2692,
0.3520


85.4262, 0.3216,
0.3186


66.2981, 0.2604,
0.3592


85.7253, 0.3184,
0.3139


 64.5941, 0.2533,
0.3666


 86.0323, 0.3154,
0.3092

 63.2700, 0.2481,
0.3743

 86.1947, 0.3138,
0.3068

 62.2922, 0.2448,
0.3821

 61.6213, 0.2435,
0.3899

 61.2011, 0.2440,
0.3976

Harmonies

Analogous

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



77.4608, 0.3100, 0.3397



77.4608, 0.3025, 0.3333



77.4608, 0.2977, 0.3258

Triad

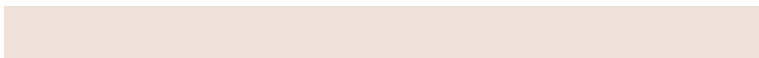
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4608, 0.3025, 0.3333



77.4608, 0.3069, 0.3153



77.4608, 0.3288, 0.3385

Complementary

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



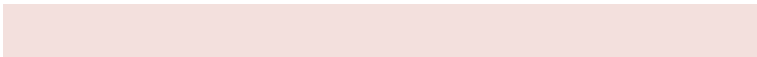
77.4608, 0.3025, 0.3333



69.7618, 0.3240, 0.3247

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.



77.4608, 0.3280, 0.3320



77.4608, 0.3025, 0.3333



77.4608, 0.3153, 0.3186

Square

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



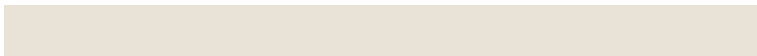
77.4608, 0.3025, 0.3333



77.4608, 0.3002, 0.3154



77.4608, 0.3230, 0.3247



77.4608, 0.3253, 0.3427

Rectangle

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



77.4608, 0.3025, 0.3333



77.4608, 0.2967, 0.3212



77.4608, 0.3230, 0.3247



77.4608, 0.3290, 0.3365

Sweetspot

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



77.4641, 0.3025, 0.3333



98.9764, 0.3102, 0.3300



77.2907, 0.3145, 0.3497



21.1958, 0.3103, 0.3300



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.



77.4641, 0.3025, 0.3333



95.1388, 0.3002, 0.3343



74.7061, 0.3001, 0.3231



16.2816, 0.3009, 0.3340



33.9589, 0.2438, 0.3978



2.5225, 0.2407, 0.3865

Inverse Universe

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



69.7618, 0.3240, 0.3247



83.5668, 0.3269, 0.3237



72.3080, 0.3263, 0.3348



14.4175, 0.3259, 0.3241



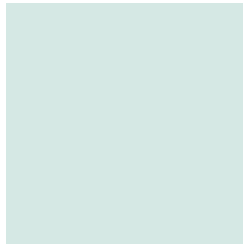
9.6619, 0.6040, 0.3101



0.7274, 0.5638, 0.2879

Previews

White Background



This preview shows how the Yxy color 77.4608, 0.3025, 0.3333 looks on a white background.

Color Contrast Check

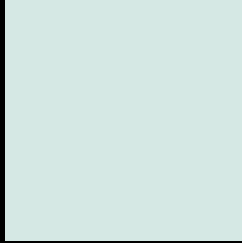
Large Text (above 18pt) WCAG AA × Fail

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 77.4608, 0.3025, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

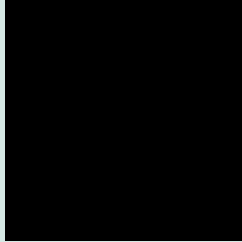
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

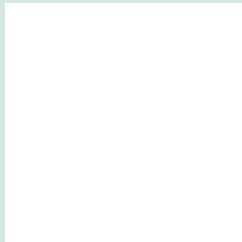
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4608, 0.3025, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 77.4608, 0.3025, 0.3333.

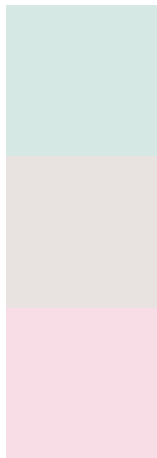


This preview shows how white text looks on a background with the Yxy color 77.4608, 0.3025, 0.3333.

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

77.4608, 0.3025, 0.3333

Protanopia

77.5302, 0.3175, 0.3311

Deuteranopia

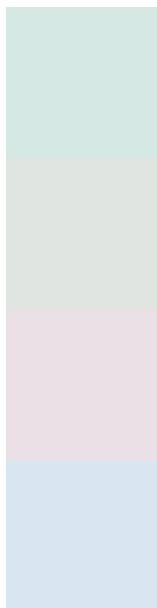
76.8560, 0.3261, 0.3189



Tritanopia

77.3530, 0.2930, 0.3100

Trichromacy



Original Color

77.4608, 0.3025, 0.3333

Protanomaly

77.5372, 0.3119, 0.3322

Deuteranomaly

76.6306, 0.3172, 0.3238

Tritanomaly

77.3320, 0.2966, 0.3183

Monochromacy



Original Color

77.4608, 0.3025, 0.3333

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4050, 0.3086, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4608, 0.3025, 0.3333 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(213, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 228)  
}
```

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(213, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.4608, 0.3025, 0.3333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

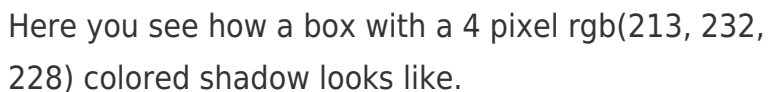
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 232, 228) }
```

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

```
.border{ border-color:rgb(213, 232, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 232, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 232, 228); box-shadow:4px 4px 4px 4px rgb(213, 232, 228) }
```


Background

The CSS property to change the background color of an element to `Yxy 77.4608, 0.3025, 0.3333` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 228) }
```

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

```
.background{ background-color: rgb(213,  
232, 228) }
```

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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