

Converting Colors

$Yxy(77.5771, 0.3047, 0.3348)$

Have a look what the booklet for
Yxy(77.5771, 0.3047, 0.3348)
contains.

Yxy(77.6513, 0.3050, 0.3355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6513, 0.3050, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	D7E8E2
RGB	215, 232, 226
RGB Percent	84%, 91%, 89%
CMY	0.1571, 0.0901, 0.1138
CMYK	0.07, 0.00, 0.03, 0.09
HSL	159°, 27%, 88%
HSV	159°, 7%, 91%
XYZ	70.5921, 77.6513, 83.2061
YIQ	226.2330, -8.2060, -5.4700

Conversions

Conversions Part 2

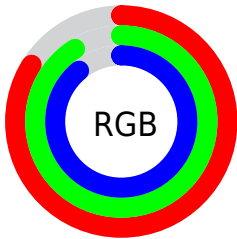
Format	Color
R _Y B	215, 225, 232
Decimal	14149858
CIE Lab	90.62, -6.77, 0.98
CIE LCh	91, 6.839, 171.774
Yxy	77.6513, 0.3050, 0.3355
Android (android.graphics.Color)	4292339938 (0xFFD7E8E2)
YUV	226.2330, -0.1149, -9.8513
Hunter-Lab	88.1200, -11.2153, 5.7002

Details

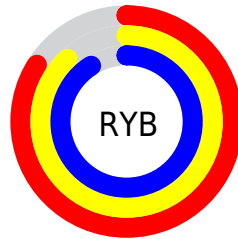
The Yxy color **77.6513, 0.3050, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9474, 0.3211, 0.3226**, and the grayscale version is **76.2302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4645, 0.3029, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **73.9493, 0.2948, 0.3452**, and if you desaturate by 10%, it is **81.8795, 0.3155, 0.3268**.

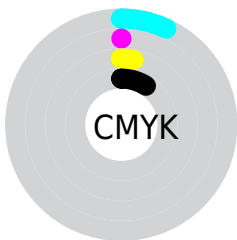
Distribution



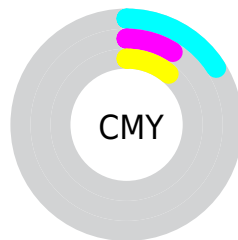
- Red (84%)
- Green (91%)
- Blue (89%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6513, 0.3050, 0.3355 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 77.6513, 0.3050, 0.3355 by changing the saturation by 10% instead.

■ 77.6513, 0.3050,
0.3355

■ 77.6513, 0.3050,
0.3355

486.9818, 0.3085,
0.3325

■ 57.7876, 0.3042,
0.3362

130.0584, 0.3062,
0.3345

■ 41.6379, 0.3032,
0.3370

163.3707, 0.3067,
0.3341

■ 28.8179, 0.3020,
0.3381

201.9345, 0.3071,
0.3337

■ 18.9431, 0.3003,
0.3394

246.1344, 0.3075,
0.3334

■ 11.6292, 0.2981,
0.3413

296.3546, 0.3078,
0.3332

■ 6.4917, 0.2950,
0.3440

352.9797, 0.3081,

■ 3.1463, 0.2901,

0.3329

0.3481

416.3939, 0.3083,
0.3327

■ 1.2086, 0.2816,
0.3555

■ 0.0687, 0.0000,
0.9149

■ 77.6513, 0.3050,
0.3355

■ 77.6513, 0.3050,
0.3355

■ 73.9493, 0.2948,
0.3452

■ 81.8795, 0.3155,
0.3268

■ 70.7425, 0.2852,
0.3558

■ 85.4213, 0.3218,
0.3189

■ 68.0115, 0.2765,
0.3674

■ 85.9264, 0.3165,
0.3110

■ 65.7319, 0.2690,
0.3798

■ 86.2071, 0.3138,
0.3068

■ 63.8771, 0.2630,
0.3929

■ 62.4174, 0.2587,
0.4064

■ 61.3194, 0.2565,
0.4202

■ 60.5438, 0.2563,
0.4339

■ 60.0389, 0.2580,
0.4474

Harmonies

Analogous

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



77.6513, 0.3128, 0.3410



77.6513, 0.3050, 0.3355



77.6513, 0.2993, 0.3283

Triad

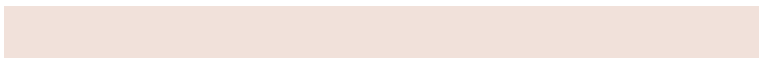
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6513, 0.3050, 0.3355



77.6513, 0.3046, 0.3153



77.6513, 0.3286, 0.3363

Complementary

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



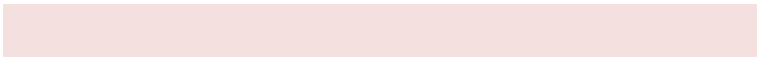
77.6513, 0.3050, 0.3355



70.9474, 0.3211, 0.3226

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.



77.6513, 0.3264, 0.3295



77.6513, 0.3050, 0.3355



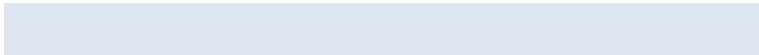
77.6513, 0.3124, 0.3175

Square

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



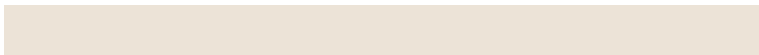
77.6513, 0.3050, 0.3355



77.6513, 0.2991, 0.3167



77.6513, 0.3204, 0.3226



77.6513, 0.3265, 0.3414

Rectangle

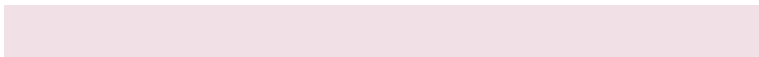
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



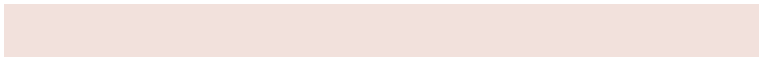
77.6513, 0.3050, 0.3355



77.6513, 0.2974, 0.3235



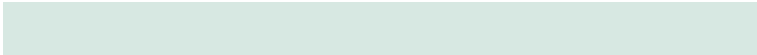
77.6513, 0.3204, 0.3226



77.6513, 0.3283, 0.3342

Sweetspot

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



77.6546, 0.3050, 0.3355



98.9299, 0.3106, 0.3307



78.0340, 0.3161, 0.3474



21.1863, 0.3107, 0.3306



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.



77.6546, 0.3050, 0.3355



95.3926, 0.3033, 0.3371



76.7174, 0.3013, 0.3265



16.2453, 0.3028, 0.3374



33.2871, 0.2580, 0.4487



2.4773, 0.2525, 0.4291

Inverse Universe

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



70.9474, 0.3211, 0.3226



85.3024, 0.3232, 0.3211



71.7992, 0.3251, 0.3315



14.4517, 0.3237, 0.3207



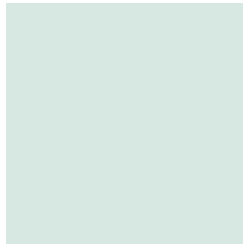
9.8843, 0.5557, 0.2835



0.7476, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 77.6513, 0.3050, 0.3355 looks on a white background.

Color Contrast Check

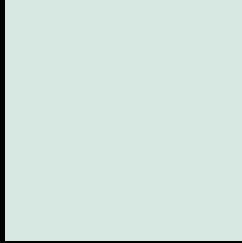
Large Text (above 18pt) WCAG AA × Fail

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 77.6513, 0.3050, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

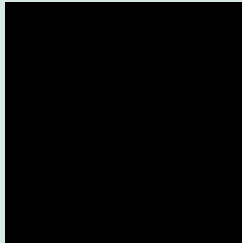
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

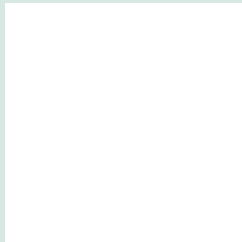
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6513, 0.3050, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 77.6513, 0.3050, 0.3355.

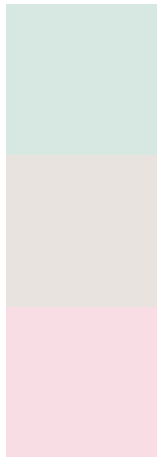


This preview shows how white text looks on a background with the Yxy color 77.6513, 0.3050, 0.3355.

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

77.6513, 0.3050, 0.3355

Protanopia

77.5895, 0.3195, 0.3332

Deuteranopia

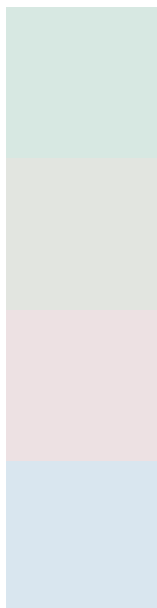
77.4541, 0.3281, 0.3220



Tritanopia

77.6594, 0.2943, 0.3100

Trichromacy



Original Color

77.6513, 0.3050, 0.3355

Protanomaly

77.5892, 0.3138, 0.3343

Deuteranomaly

77.4010, 0.3198, 0.3269

Tritanomaly

77.5773, 0.2985, 0.3194

Monochromacy



Original Color

77.6513, 0.3050, 0.3355

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5074, 0.3099, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6513, 0.3050, 0.3355 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(215, 232, 226)` looks like.

```
.text, #text, p{  
    color:rgb(215, 232, 226)  
}
```

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(215, 232, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 232, 226) }
```

Border

The CSS property to change the border of an element to Yxy 77.6513, 0.3050, 0.3355 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(215, 232, 226) }
```

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

```
.border{ border-color:rgb(215, 232, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 232, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 232, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 232, 226);  
box-shadow:4px 4px 4px 4px rgb(215, 232,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6513, 0.3050, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 232, 226) }
```

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

```
.background{ background-color: rgb(215,  
232, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor