

Converting Colors

$Yxy(77.6334, 0.3005, 0.3265)$

Have a look what the booklet for
Yxy(77.6334, 0.3005, 0.3265)
contains.

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Color

Yxy(77.5394, 0.3002, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	D7E7EA
RGB	215, 231, 234
RGB Percent	84%, 91%, 92%
CMY	0.1566, 0.0942, 0.0822
CMYK	0.08, 0.01, 0.00, 0.08
HSL	190°, 31%, 88%
HSV	190°, 8%, 92%
XYZ	71.4686, 77.5394, 89.0620
YIQ	226.5580, -10.4990, -2.4590

Conversions

Conversions Part 2

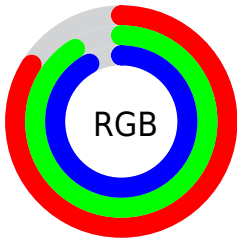
Format	Color
R _Y B	215, 224, 234
Decimal	14149610
CIE Lab	90.57, -4.68, -3.30
CIE LCh	91, 5.729, 215.203
Yxy	77.5394, 0.3002, 0.3257
Android (android.graphics.Color)	4292339690 (0xFFD7E7EA)
YUV	226.5580, 3.6689, -10.1364
Hunter-Lab	88.0565, -9.2242, 1.6725

Details

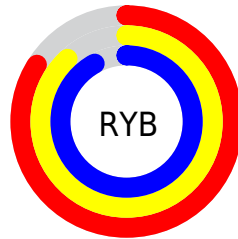
The Yxy color `77.5394, 0.3002, 0.3257` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.6066, 0.3264, 0.3323`, and the grayscale version is `76.4669, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3479, 0.2974, 0.3248` is the 20% darker color. If you saturate the color by 10%, you get `72.1681, 0.2851, 0.3213`, and if you desaturate by 10%, it is `83.4692, 0.3157, 0.3297`.

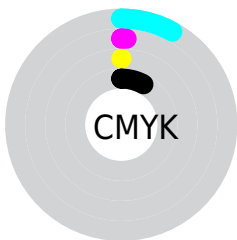
Distribution



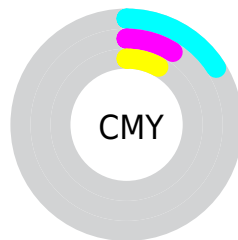
- Red (84%)
- Green (91%)
- Blue (92%)



- Red (84%)
- Yellow (88%)
- Blue (92%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (16%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5394, 0.3002, 0.3257 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 77.5394, 0.3002, 0.3257 by changing the saturation by 10% instead.

■ 77.5394, 0.3002,
0.3257

■ 77.5394, 0.3002,
0.3257

486.6012, 0.3059,
0.3272

■ 57.6957, 0.2989,
0.3253

129.9006, 0.3022,
0.3262

■ 41.5640, 0.2973,
0.3249

163.1869, 0.3029,
0.3264

■ 28.7601, 0.2953,
0.3243

201.7229, 0.3036,
0.3266

■ 18.8994, 0.2928,
0.3236

245.8929, 0.3042,
0.3268

■ 11.5976, 0.2893,
0.3226

296.0813, 0.3047,
0.3269

■ 6.4703, 0.2843,
0.3211

352.6725, 0.3051,

■ 3.1331, 0.2768,

0.3270

0.3187

416.0510, 0.3055,
0.3272

■ 1.2016, 0.2637,
0.3144

■ 0.0630, 0.0000,
0.1738

■ 77.5394, 0.3002,
0.3257

■ 77.5394, 0.3002,
0.3257

■ 72.1681, 0.2851,
0.3213

■ 83.4692, 0.3157,
0.3297

■ 67.3238, 0.2707,
0.3165

■ 88.6413, 0.3266,
0.3334

■ 62.9866, 0.2572,
0.3114

■ 90.8575, 0.3262,
0.3371

■ 59.1313, 0.2450,
0.3060

■ 93.1197, 0.3258,
0.3407

■ 55.7307, 0.2344,
0.3004

■ 95.4281, 0.3255,
0.3443

■ 52.7543, 0.2256,
0.2946

■ 97.7829, 0.3251,
0.3479

■ 50.1676, 0.2187,
0.2888

■ 98.7222, 0.3250,
0.3493

■ 47.9299, 0.2138,
0.2830

■ 45.9847, 0.2106,
0.2773

Harmonies

Analogous

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



77.5394, 0.3038, 0.3318



77.5394, 0.3002, 0.3257



77.5394, 0.2999, 0.3206

Triad

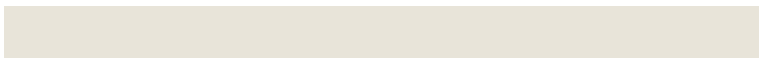
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5394, 0.3002, 0.3257



77.5394, 0.3156, 0.3210



77.5394, 0.3224, 0.3404

Complementary

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



77.5394, 0.3002, 0.3257



72.6066, 0.3264, 0.3323

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.



77.5394, 0.3257, 0.3373



77.5394, 0.3002, 0.3257



77.5394, 0.3217, 0.3262

Square

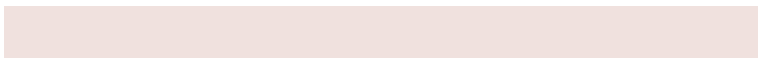
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5394, 0.3002, 0.3257



77.5394, 0.3088, 0.3179



77.5394, 0.3254, 0.3321



77.5394, 0.3166, 0.3404

Rectangle

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



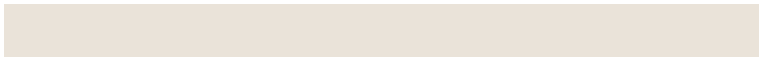
77.5394, 0.3002, 0.3257



77.5394, 0.3017, 0.3184



77.5394, 0.3254, 0.3321



77.5394, 0.3239, 0.3397

Sweetspot

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



77.5427, 0.3002, 0.3257



98.5244, 0.3096, 0.3282



78.3762, 0.3100, 0.3465



21.1038, 0.3098, 0.3282



0.0000, 0.0000, 0.0000



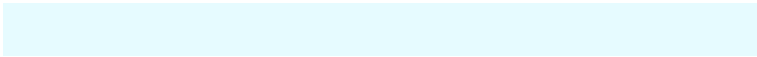
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5427, 0.3002, 0.3257



92.8968, 0.2972, 0.3249



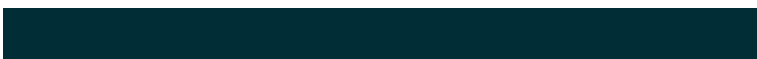
72.4841, 0.3002, 0.3156



16.6862, 0.2981, 0.3251



25.7918, 0.2103, 0.2772



2.1355, 0.2125, 0.2851

Inverse Universe

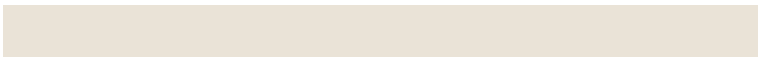
The Inverse Universe completely reimagines the original color for something new.



71.9005, 0.3157, 0.3123



84.5349, 0.3165, 0.3082



77.5596, 0.3254, 0.3420



15.2698, 0.3162, 0.3094



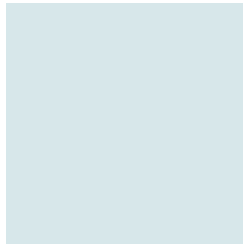
12.0965, 0.3661, 0.1790



0.9610, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 77.5394, 0.3002, 0.3257 looks on a white background.

Color Contrast Check

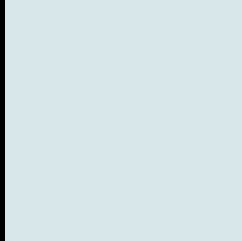
Large Text (above 18pt) WCAG AA × Fail

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 77.5394, 0.3002, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

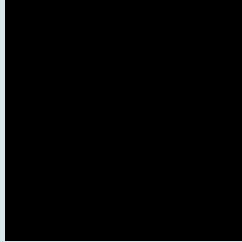
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

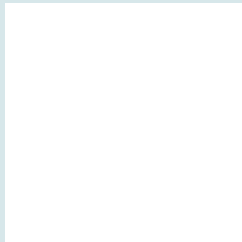
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5394, 0.3002, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 77.5394, 0.3002, 0.3257.

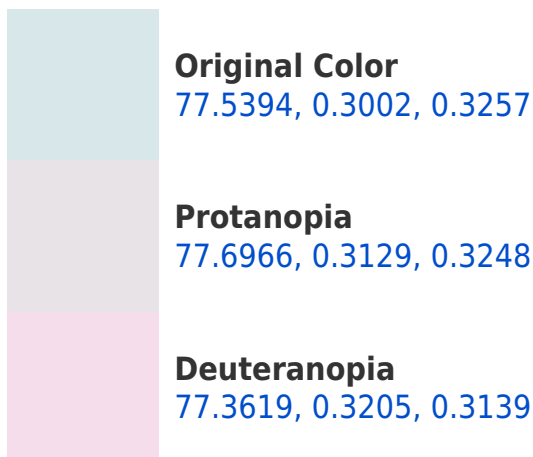


This preview shows how white text looks on a background with the Yxy color 77.5394, 0.3002, 0.3257.

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

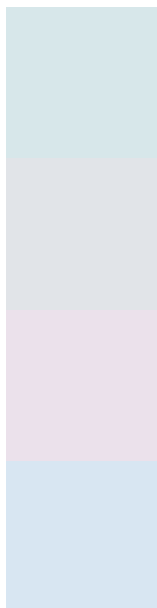




Tritanopia

77.5057, 0.2937, 0.3100

Trichromacy



Original Color

77.5394, 0.3002, 0.3257

Protanomaly

77.3206, 0.3081, 0.3248

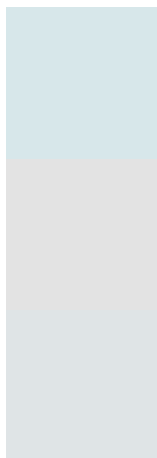
Deuteranomaly

77.5108, 0.3132, 0.3187

Tritanomaly

77.6034, 0.2960, 0.3162

Monochromacy



Original Color

77.5394, 0.3002, 0.3257

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8880, 0.3080, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5394, 0.3002, 0.3257 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, 231, 234)` looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 234)  
}
```

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, 231, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 234) }
```

Border

The CSS property to change the border of an element to Yxy 77.5394, 0.3002, 0.3257 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, 231, 234) }
```

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

```
.border{ border-color:rgb(215, 231, 234) }
```

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

Here you see how a box with a 4 pixel rgb(215, 231, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 234);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5394, 0.3002, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 234) }
```

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

```
.background{ background-color: rgb(215,  
231, 234) }
```

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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