

Converting Colors

$Yxy(76.8206, 0.3057, 0.3248)$

Have a look what the booklet for
Yxy(76.8206, 0.3057, 0.3248)
contains.

Yxy(76.6852, 0.3054, 0.3247)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.6852, 0.3054, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4E8
RGB	221, 228, 232
RGB Percent	87%, 89%, 91%
CMY	0.1334, 0.1059, 0.0901
CMYK	0.05, 0.02, 0.00, 0.09
HSL	202°, 19%, 89%
HSV	202°, 5%, 91%
XYZ	72.1271, 76.6852, 87.3602
YIQ	226.3630, -5.4560, -0.2400

Conversions

Conversions Part 2

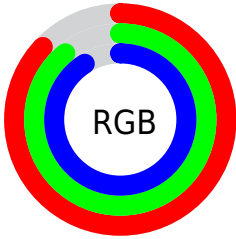
Format	Color
R _Y B	221, 225, 232
Decimal	14542056
CIE Lab	90.18, -1.60, -2.78
CIE LCh	90, 3.206, 240.145
Yxy	76.6852, 0.3054, 0.3247
Android (android.graphics.Color)	4292732136 (0xFFDDE4E8)
YUV	226.3630, 2.7790, -4.7034
Hunter-Lab	87.5701, -6.2262, 2.1512

Details

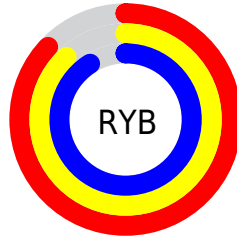
The Yxy color **76.6852, 0.3054, 0.3247** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2322, 0.3203, 0.3333**, and the grayscale version is **76.3136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1287, 0.3041, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **68.7614, 0.2898, 0.3149**, and if you desaturate by 10%, it is **85.3458, 0.3207, 0.3335**.

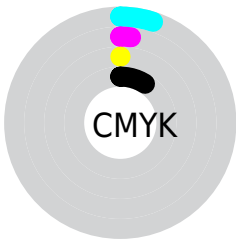
Distribution



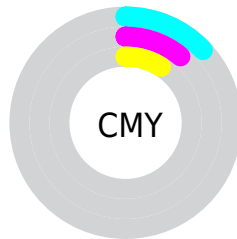
- Red (87%)
- Green (89%)
- Blue (91%)



- Red (87%)
- Yellow (88%)
- Blue (91%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6852, 0.3054, 0.3247 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 76.6852, 0.3054, 0.3247 by changing the saturation by 10% instead.

■ 76.6852, 0.3054,
0.3247

■ 76.6852, 0.3054,
0.3247

483.6900, 0.3088,
0.3267

■ 56.9945, 0.3046,
0.3242

128.6950, 0.3066,
0.3254

■ 41.0009, 0.3037,
0.3237

161.7830, 0.3070,
0.3257

■ 28.3198, 0.3025,
0.3230

200.1055, 0.3074,
0.3259

■ 18.5668, 0.3010,
0.3221

244.0469, 0.3077,
0.3261

■ 11.3577, 0.2989,
0.3208

293.9917, 0.3080,
0.3263

■ 6.3080, 0.2960,
0.3190

350.3242, 0.3083,

■ 3.0332, 0.2914,

0.3264

0.3162

413.4289, 0.3085,
0.3266

■ 1.1491, 0.2834,
0.3112

■ 0.0195, 0.0000,
0.0831

■ 76.6852, 0.3054,
0.3247

■ 76.6852, 0.3054,
0.3247

■ 68.7614, 0.2898,
0.3149

■ 85.3458, 0.3207,
0.3335

■ 61.5408, 0.2742,
0.3042

■ 92.3291, 0.3272,
0.3416

■ 55.0015, 0.2588,
0.2924

■ 97.5528, 0.3263,
0.3497

■ 49.1166, 0.2441,
0.2798

■ 98.6075, 0.3262,
0.3512

■ 43.8570, 0.2303,
0.2665

■ 39.1906, 0.2180,
0.2526

■ 35.0820, 0.2074,
0.2385

■ 31.4903, 0.1989,
0.2243

■ 28.3662, 0.1925,
0.2105

Harmonies

Analogous

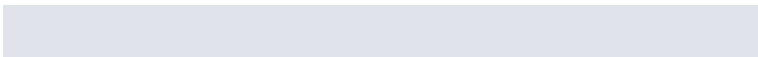
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6852, 0.3059, 0.3277



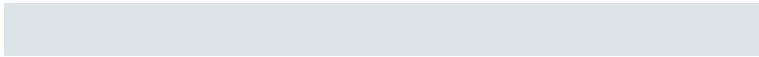
76.6852, 0.3054, 0.3247



76.6852, 0.3069, 0.3228

Triad

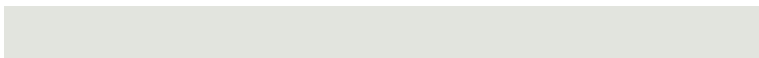
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6852, 0.3054, 0.3247



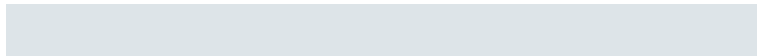
76.6852, 0.3173, 0.3269



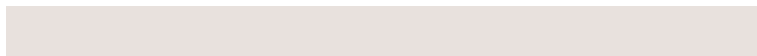
76.6852, 0.3155, 0.3355

Complementary

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



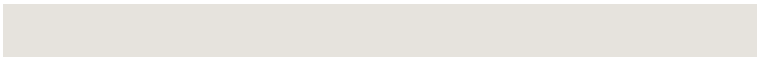
76.6852, 0.3054, 0.3247



76.2322, 0.3203, 0.3333

Split Complementary

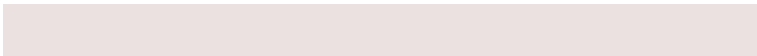
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6852, 0.3186, 0.3352



76.6852, 0.3054, 0.3247



76.6852, 0.3196, 0.3302

Square

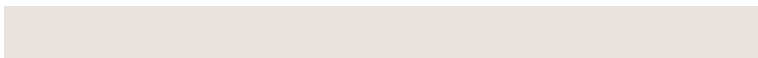
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6852, 0.3054, 0.3247



76.6852, 0.3137, 0.3241



76.6852, 0.3201, 0.3333



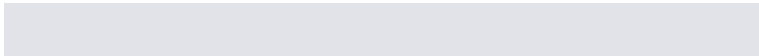
76.6852, 0.3117, 0.3340

Rectangle

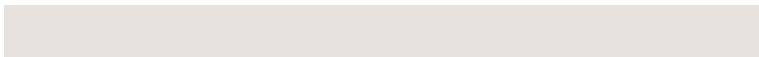
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6852, 0.3054, 0.3247



76.6852, 0.3087, 0.3225



76.6852, 0.3201, 0.3333



76.6852, 0.3167, 0.3356

Sweetspot

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



76.6885, 0.3054, 0.3247



98.9289, 0.3112, 0.3281



78.5246, 0.3097, 0.3367



21.1862, 0.3113, 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.



76.6885, 0.3054, 0.3247



93.7114, 0.3034, 0.3235



73.7827, 0.3055, 0.3189



15.8905, 0.3025, 0.3230



15.1649, 0.1904, 0.2055



1.2959, 0.1960, 0.2256

Inverse Universe

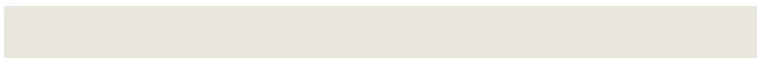
The Inverse Universe completely reimagines the original color for something new.



74.4681, 0.3159, 0.3216



90.2702, 0.3168, 0.3196



79.1781, 0.3199, 0.3389



15.2505, 0.3172, 0.3187



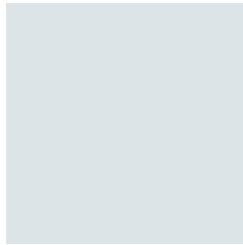
10.7286, 0.4391, 0.2192



0.8105, 0.4173, 0.2072

Previews

White Background



This preview shows how the Yxy color 76.6852, 0.3054, 0.3247 looks on a white background.

Color Contrast Check

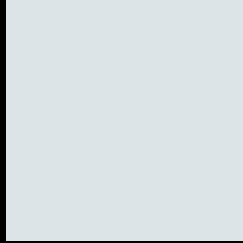
Large Text (above 18pt) WCAG AA × Fail

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 76.6852, 0.3054, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

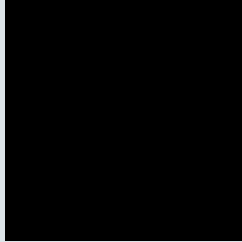
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

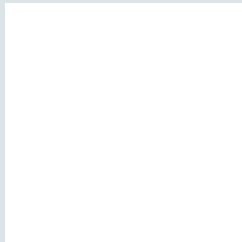
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6852, 0.3054, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 76.6852, 0.3054, 0.3247.

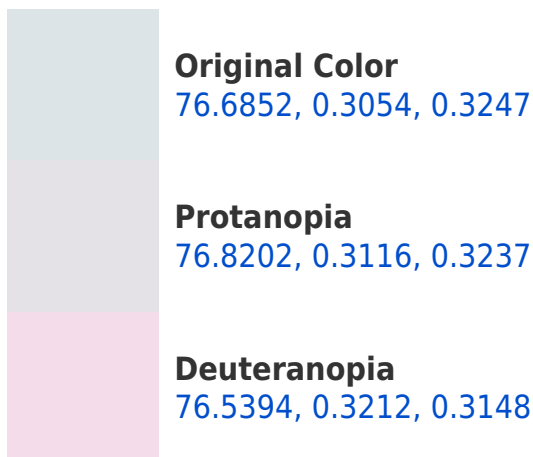


This preview shows how white text looks on a background with the Yxy color 76.6852, 0.3054, 0.3247.

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

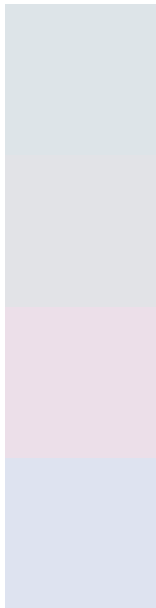




Tritanopia

76.6123, 0.2994, 0.3101

Trichromacy



Original Color

76.6852, 0.3054, 0.3247

Protanomaly

76.8764, 0.3095, 0.3248

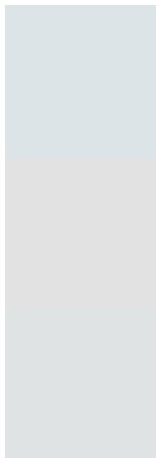
Deuteranomaly

76.4914, 0.3153, 0.3187

Tritanomaly

76.7590, 0.3012, 0.3153

Monochromacy



Original Color

76.6852, 0.3054, 0.3247

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3869, 0.3100, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6852, 0.3054, 0.3247 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(221, 228, 232)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 232)  
}
```

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(221, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 232) }
```

Border

The CSS property to change the border of an element to Yxy 76.6852, 0.3054, 0.3247 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(221, 228, 232) }
```

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

```
.border{ border-color:rgb(221, 228, 232) }
```

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

Here you see how a box with a 4 pixel rgb(221, 228, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6852, 0.3054, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 232) }
```

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

```
.background{ background-color: rgb(221,  
228, 232) }
```

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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