

Converting Colors

$Yxy(83.7458, 0.3057, 0.3249)$

Have a look what the booklet for
Yxy(83.7458, 0.3057, 0.3249)
contains.

Yxy(83.7422, 0.3057, 0.3249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.7422, 0.3057, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDF1
RGB	230, 237, 241
RGB Percent	90%, 93%, 95%
CMY	0.0980, 0.0706, 0.0550
CMYK	0.05, 0.02, 0.00, 0.05
HSL	202°, 28%, 92%
HSV	202°, 5%, 95%
XYZ	78.7934, 83.7422, 95.2120
YIQ	235.3630, -5.4560, -0.2400

Conversions

Conversions Part 2

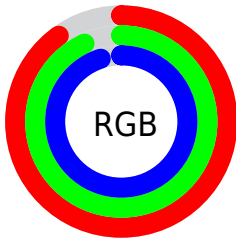
Format	Color
R _{YB}	230, 234, 241
Decimal	15134193
CIE Lab	93.34, -1.59, -2.74
CIE LCh	93, 3.164, 239.914
Yxy	83.7422, 0.3057, 0.3249
Android (android.graphics.Color)	4293324273 (0xFFE6EDF1)
YUV	235.3630, 2.7790, -4.7034
Hunter-Lab	91.5108, -6.4501, 2.3695

Details

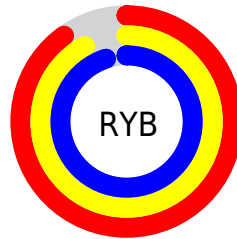
The Yxy color **83.7422, 0.3057, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2460, 0.3200, 0.3331**, and the grayscale version is **83.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6645, 0.3045, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **75.0987, 0.2901, 0.3152**, and if you desaturate by 10%, it is **93.1899, 0.3210, 0.3336**.

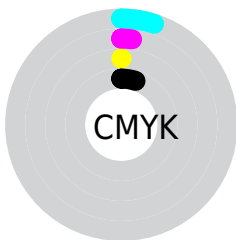
Distribution



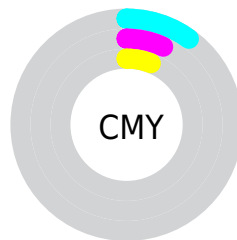
- Red (90%)
- Green (93%)
- Blue (95%)



- Red (90%)
- Yellow (92%)
- Blue (95%)



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



- Cyan (10%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7422, 0.3057, 0.3249 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 83.7422, 0.3057, 0.3249 by changing the saturation by 10% instead.

■ 83.7422, 0.3057,
0.3249

■ 83.7422, 0.3057,
0.3249

507.4568, 0.3089,
0.3268

■ 62.8026, 0.3050,
0.3245

138.6145, 0.3068,
0.3255

■ 45.6815, 0.3041,
0.3240

173.3160, 0.3072,
0.3258

■ 31.9946, 0.3031,
0.3233

213.3736, 0.3076,
0.3260

■ 21.3574, 0.3017,
0.3225

259.1717, 0.3079,
0.3262

■ 13.3855, 0.2998,
0.3214

311.0946, 0.3082,
0.3264

■ 7.6945, 0.2972,
0.3198

369.5269, 0.3084,

■ 3.9001, 0.2933,

0.3265

0.3174

434.8528, 0.3087,
0.3266

■ 1.6178, 0.2868,
0.3134

■ 0.3696, 0.2450,
0.2896

■ 83.7422, 0.3057,
0.3249

■ 83.7422, 0.3057,
0.3249

■ 75.0987, 0.2901,
0.3152

■ 93.1899, 0.3210,
0.3336

■ 67.2228, 0.2744,
0.3044

■ 98.7860, 0.3209,
0.3420

■ 60.0906, 0.2590,
0.2928

■ 99.1296, 0.3209,
0.3425

■ 53.6726, 0.2443,
0.2802

■ 47.9368, 0.2305,
0.2669

■ 42.8485, 0.2181,
0.2531

■ 38.3687, 0.2076,
0.2390

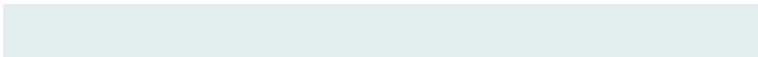
■ 34.4527, 0.1991,
0.2249

■ 31.0465, 0.1927,
0.2111

Harmonies

Analogous

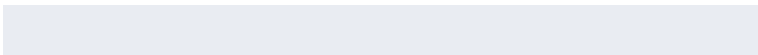
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7422, 0.3062, 0.3278



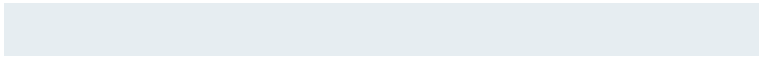
83.7422, 0.3057, 0.3249



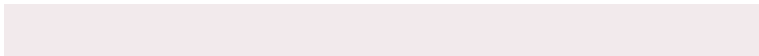
83.7422, 0.3071, 0.3231

Triad

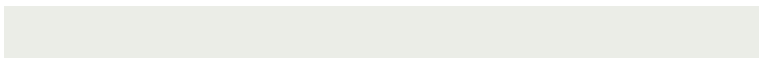
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7422, 0.3057, 0.3249



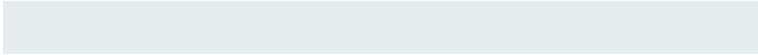
83.7422, 0.3170, 0.3269



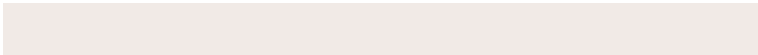
83.7422, 0.3154, 0.3352

Complementary

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



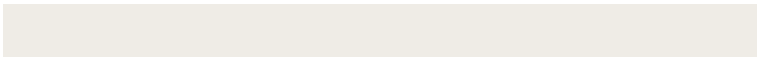
83.7422, 0.3057, 0.3249



83.2460, 0.3200, 0.3331

Split Complementary

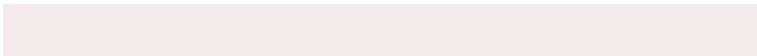
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7422, 0.3184, 0.3350



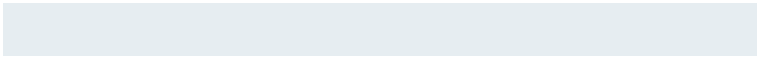
83.7422, 0.3057, 0.3249



83.7422, 0.3193, 0.3302

Square

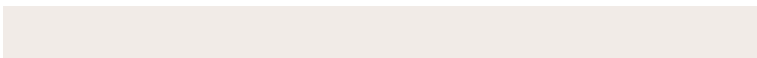
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



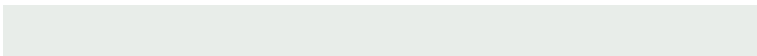
83.7422, 0.3057, 0.3249



83.7422, 0.3136, 0.3243



83.7422, 0.3198, 0.3331



83.7422, 0.3118, 0.3338

Rectangle

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



83.7422, 0.3057, 0.3249



83.7422, 0.3089, 0.3228



83.7422, 0.3198, 0.3331



83.7422, 0.3165, 0.3353

Sweetspot

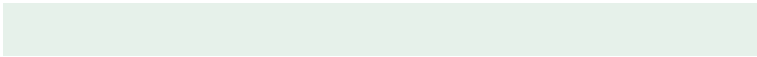
The Sweet Spot groups the original color and five complimentary colors.



83.7458, 0.3057, 0.3249



98.9317, 0.3112, 0.3281



85.6542, 0.3099, 0.3363



21.1867, 0.3113, 0.3282



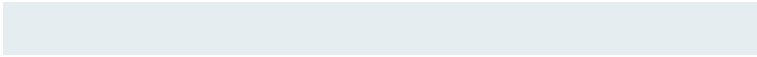
0.0000, 0.0000, 0.0000



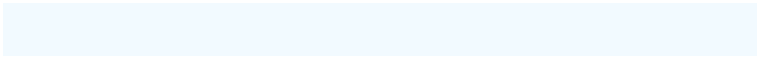
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7458, 0.3057, 0.3249



94.7506, 0.3050, 0.3245



80.6930, 0.3058, 0.3194



17.6205, 0.3039, 0.3239



16.1912, 0.1905, 0.2059



1.5351, 0.1955, 0.2239

Inverse Universe

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



81.4104, 0.3158, 0.3219



91.8393, 0.3161, 0.3212



86.3389, 0.3196, 0.3385



17.0068, 0.3166, 0.3201



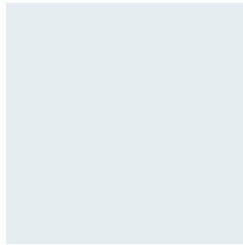
11.4279, 0.4387, 0.2190



0.9697, 0.4190, 0.2082

Previews

White Background



This preview shows how the Yxy color 83.7422, 0.3057, 0.3249 looks on a white background.

Color Contrast Check

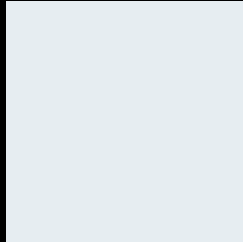
Large Text (above 18pt) WCAG AA × Fail

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 83.7422, 0.3057, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

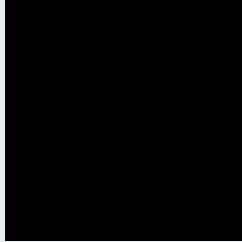
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

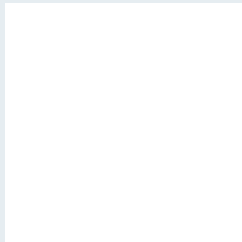
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7422, 0.3057, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 83.7422, 0.3057, 0.3249.

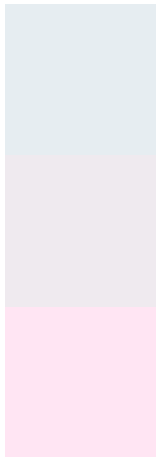


This preview shows how white text looks on a background with the Yxy color 83.7422, 0.3057, 0.3249.

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

83.7422, 0.3057, 0.3249

Protanopia

83.4284, 0.3130, 0.3239

Deuteranopia

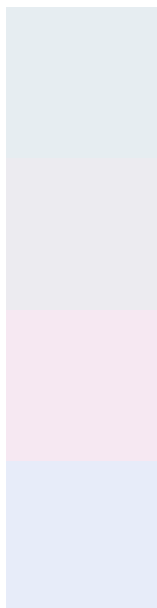
83.7697, 0.3216, 0.3153



Tritanopia

83.7282, 0.2992, 0.3098

Trichromacy



Original Color

83.7422, 0.3057, 0.3249

Protanomaly

83.5408, 0.3103, 0.3239

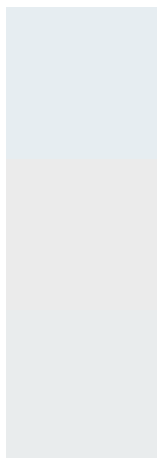
Deuteranomaly

83.7169, 0.3159, 0.3190

Tritanomaly

83.8194, 0.3016, 0.3158

Monochromacy



Original Color

83.7422, 0.3057, 0.3249

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4290, 0.3101, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7422, 0.3057, 0.3249 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(230, 237, 241)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 241)  
}
```

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(230, 237, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 241) }
```

Border

The CSS property to change the border of an element to Yxy 83.7422, 0.3057, 0.3249 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(230, 237, 241) }
```

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

```
.border{ border-color:rgb(230, 237, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 241);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7422, 0.3057, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 241) }
```

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

```
.background{ background-color: rgb(230,  
237, 241) }
```

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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