

Converting Colors

$Yxy(81.7622, 0.3072, 0.3242)$

Have a look what the booklet for
Yxy(81.7622, 0.3072, 0.3242)
contains.

Yxy(81.8417, 0.3076, 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(81.8417, 0.3076, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E6EAEE
RGB	230, 234, 238
RGB Percent	90%, 92%, 93%
CMY	0.0980, 0.0823, 0.0668
CMYK	0.03, 0.02, 0.00, 0.07
HSL	210°, 19%, 92%
HSV	210°, 3%, 93%
XYZ	77.4839, 81.8417, 92.5726
YIQ	233.2600, -3.6680, 0.3960

Conversions

Conversions Part 2

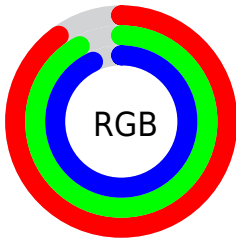
Format	Color
R _Y B	230, 233, 238
Decimal	15133422
CIE Lab	92.50, -0.61, -2.39
CIE LCh	93, 2.468, 255.678
Yxy	81.8417, 0.3076, 0.3249
Android (android.graphics.Color)	4293323502 (0xFFE6EAEE)
YUV	233.2600, 2.3368, -2.8590
Hunter-Lab	90.4664, -5.4322, 2.6561

Details

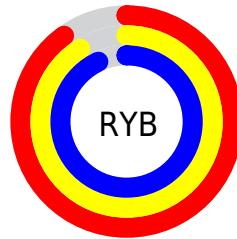
The Yxy color **81.8417, 0.3076, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7037, 0.3179, 0.3331**, and the grayscale version is **81.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3321, 0.3069, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **71.6678, 0.2919, 0.3117**, and if you desaturate by 10%, it is **93.0087, 0.3226, 0.3367**.

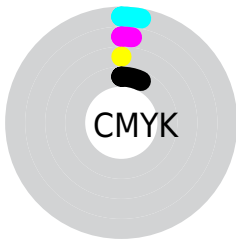
Distribution



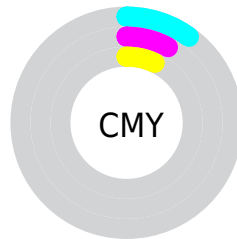
- Red (90%)
- Green (92%)
- Blue (93%)



- Red (90%)
- Yellow (91%)
- Blue (93%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (10%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8417, 0.3076, 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 81.8417, 0.3076, 0.3249 by changing the saturation by 10% instead.

■ 81.8417, 0.3076,
0.3249

■ 81.8417, 0.3076,
0.3249

501.1180, 0.3099,
0.3268

■ 61.2351, 0.3071,
0.3245

135.9520, 0.3084,
0.3255

■ 44.4149, 0.3064,
0.3240

170.2244, 0.3087,
0.3258

■ 30.9968, 0.3056,
0.3233

209.8209, 0.3090,
0.3260

■ 20.5964, 0.3046,
0.3225

255.1259, 0.3092,
0.3262

■ 12.8293, 0.3032,
0.3214

306.5237, 0.3094,
0.3264

■ 7.3111, 0.3013,
0.3198

364.3987, 0.3096,

■ 3.6574, 0.2983,

0.3265

0.3174

429.1353, 0.3098,
0.3267

■ 1.4838, 0.2934,
0.3133

■ 0.2773, 0.2499,
0.2787

■ 81.8417, 0.3076,
0.3249

■ 81.8417, 0.3076,
0.3249

■ 71.6678, 0.2919,
0.3117

■ 93.0087, 0.3226,
0.3367

■ 62.4462, 0.2756,
0.2970

■ 98.9509, 0.3226,
0.3454

■ 54.1483, 0.2592,
0.2809

■ 46.7402, 0.2429,
0.2634

■ 40.1852, 0.2273,
0.2448

■ 34.4437, 0.2128,
0.2255

■ 29.4720, 0.2000,
0.2059

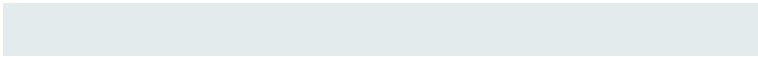
■ 25.2208, 0.1893,
0.1866

■ 21.6320, 0.1811,
0.1680

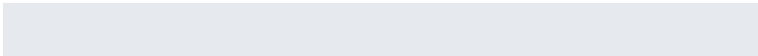
Harmonies

Analogous

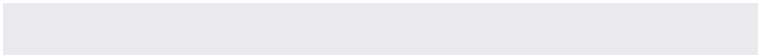
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8417, 0.3072, 0.3268



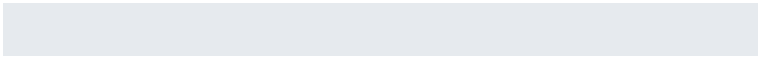
81.8417, 0.3076, 0.3249



81.8417, 0.3094, 0.3241

Triad

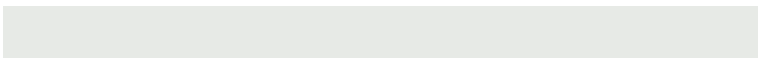
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8417, 0.3076, 0.3249



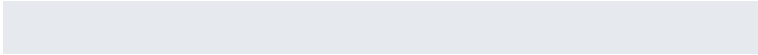
81.8417, 0.3172, 0.3287



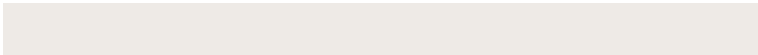
81.8417, 0.3134, 0.3335

Complementary

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



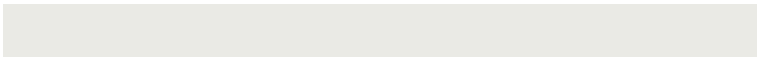
81.8417, 0.3076, 0.3249



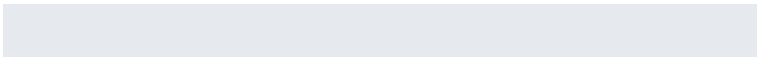
82.7037, 0.3179, 0.3331

Split Complementary

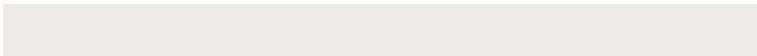
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8417, 0.3161, 0.3340



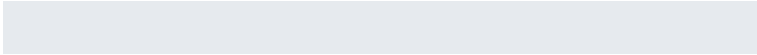
81.8417, 0.3076, 0.3249



81.8417, 0.3183, 0.3312

Square

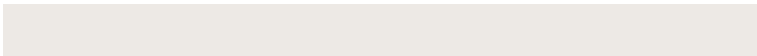
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



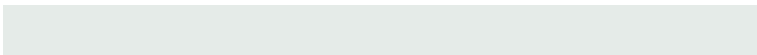
81.8417, 0.3076, 0.3249



81.8417, 0.3149, 0.3263



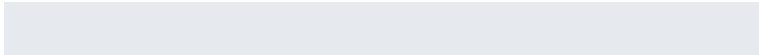
81.8417, 0.3179, 0.3331



81.8417, 0.3105, 0.3318

Rectangle

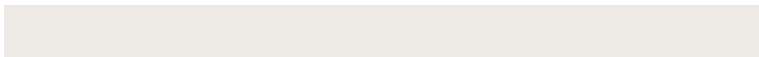
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



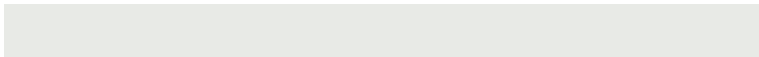
81.8417, 0.3076, 0.3249



81.8417, 0.3111, 0.3243



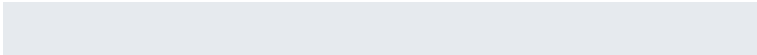
81.8417, 0.3179, 0.3331



81.8417, 0.3143, 0.3338

Sweetspot

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



81.8452, 0.3076, 0.3249



98.7144, 0.3112, 0.3278



83.8827, 0.3100, 0.3332



21.1425, 0.3113, 0.3278



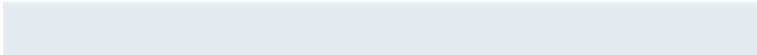
0.0000, 0.0000, 0.0000



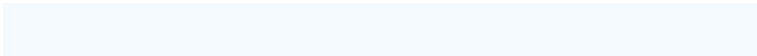
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8452, 0.3076, 0.3249



94.9276, 0.3066, 0.3241



79.6620, 0.3077, 0.3209



17.6137, 0.3054, 0.3231



11.1743, 0.1775, 0.1590



1.1287, 0.1841, 0.1827

Inverse Universe

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



80.7060, 0.3156, 0.3249



93.3419, 0.3162, 0.3241



84.9344, 0.3176, 0.3370



17.2663, 0.3169, 0.3232



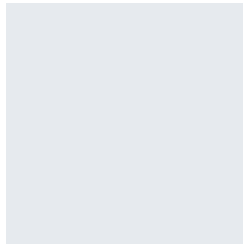
10.9214, 0.4944, 0.2497



0.9287, 0.4653, 0.2337

Previews

White Background



This preview shows how the Yxy color 81.8417, 0.3076, 0.3249 looks on a white background.

Color Contrast Check

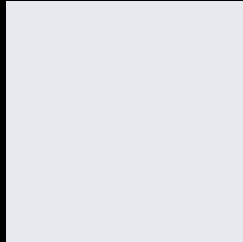
Large Text (above 18pt) WCAG AA × Fail

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 81.8417, 0.3076, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

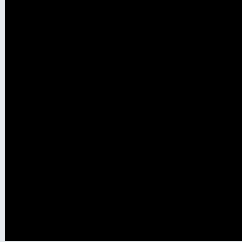
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

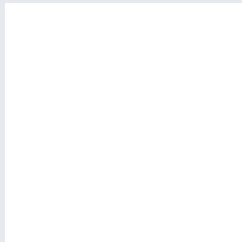
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8417, 0.3076, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 81.8417, 0.3076, 0.3249.

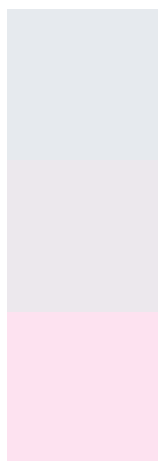


This preview shows how white text looks on a background with the Yxy color 81.8417, 0.3076, 0.3249.

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

81.8417, 0.3076, 0.3249

Protanopia

81.6605, 0.3123, 0.3239

Deuteranopia

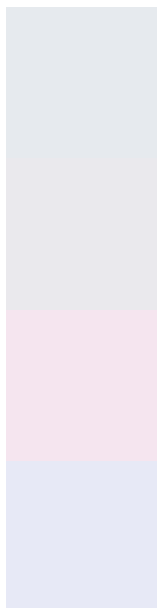
81.5666, 0.3224, 0.3152



Tritanopia

81.7712, 0.3016, 0.3107

Trichromacy



Original Color

81.8417, 0.3076, 0.3249

Protanomaly

81.8847, 0.3109, 0.3249

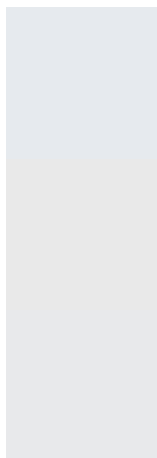
Deuteranomaly

81.6831, 0.3173, 0.3190

Tritanomaly

81.9206, 0.3034, 0.3157

Monochromacy



Original Color

81.8417, 0.3076, 0.3249

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4318, 0.3108, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8417, 0.3076, 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, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(230, 234, 238)  
}
```

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, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 234, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.8417, 0.3076, 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, 234, 238) }
```

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

```
.border{ border-color:rgb(230, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(230, 234,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8417, 0.3076, 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, 234, 238) }
```

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

```
.background{ background-color: rgb(230,  
234, 238) }
```

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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