

Converting Colors

$Yxy(82.9052, 0.3174, 0.3458)$

Have a look what the booklet for
Yxy(82.9052, 0.3174, 0.3458)
contains.

Yxy(83.2460, 0.3173, 0.3457)	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(83.2460, 0.3173, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEDE
RGB	230, 238, 222
RGB Percent	90%, 93%, 87%
CMY	0.0978, 0.0667, 0.1294
CMYK	0.03, 0.00, 0.07, 0.07
HSL	90°, 32%, 90%
HSV	90°, 7%, 93%
XYZ	76.4072, 83.2460, 81.1510
YIQ	233.7840, 0.3680, -6.6720

Conversions

Conversions Part 2

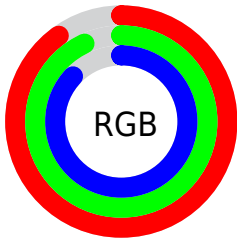
Format	Color
R _Y B	222, 238, 230
Decimal	15134430
CIE Lab	93.12, -5.44, 6.81
CIE LCh	93, 8.718, 128.642
Yxy	83.2460, 0.3173, 0.3457
Android (android.graphics.Color)	4293324510 (0xFFE6EEDE)
YUV	233.7840, -5.8095, -3.3186
Hunter-Lab	91.2392, -10.1861, 11.1331

Details

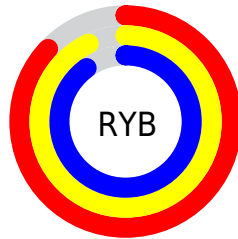
The Yxy color **83.2460, 0.3173, 0.3457** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.2298, 0.3079, 0.3123**, and the grayscale version is **82.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2446, 0.3178, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **80.1741, 0.3241, 0.3724**, and if you desaturate by 10%, it is **86.6374, 0.3105, 0.3212**.

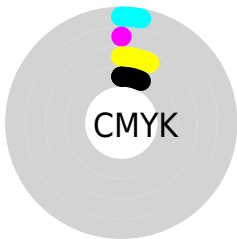
Distribution



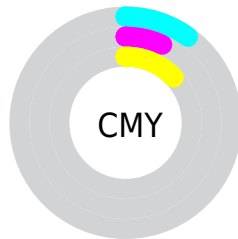
- Red (90%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (90%)



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



- Cyan (10%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2460, 0.3173, 0.3457 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 83.2460, 0.3173, 0.3457 by changing the saturation by 10% instead.

83.2460, 0.3173,
0.3457

83.2460, 0.3173,
0.3457

505.8060, 0.3153,
0.3381

62.3931, 0.3177,
0.3474

137.9200, 0.3166,
0.3431

45.3504, 0.3183,
0.3495

172.5098, 0.3163,
0.3421

31.7335, 0.3190,
0.3522

212.4474, 0.3161,
0.3412

21.1580, 0.3198,
0.3556

258.1172, 0.3159,
0.3404

13.2396, 0.3209,
0.3603

309.9036, 0.3157,
0.3397

7.5937, 0.3225,
0.3669

368.1909, 0.3155,

3.8361, 0.3247,

0.3391

0.3770

433.3636, 0.3154,
0.3386

■ 1.5823, 0.3282,
0.3944

■ 0.3456, 0.3614,
0.6386

■ 83.2460, 0.3173,
0.3457

■ 83.2460, 0.3173,
0.3457

■ 80.1741, 0.3241,
0.3724

■ 86.6374, 0.3105,
0.3212

■ 77.4010, 0.3306,
0.4009

■ 89.3706, 0.3126,
0.3126

■ 74.9194, 0.3365,
0.4307

■ 89.6222, 0.3135,
0.3126

■ 72.7180, 0.3414,
0.4608

■ 70.7844, 0.3448,
0.4899

■ 69.1052, 0.3464,
0.5166

■ 67.6653, 0.3457,
0.5392

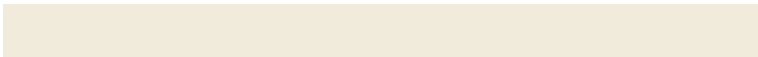
■ 66.4478, 0.3428,
0.5566

■ 65.4315, 0.3379,
0.5683

Harmonies

Analogous

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



83.2460, 0.3263, 0.3462



83.2460, 0.3173, 0.3457



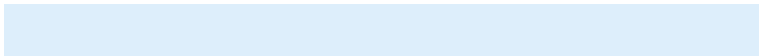
83.2460, 0.3072, 0.3405

Triad

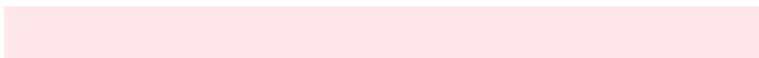
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2460, 0.3173, 0.3457



83.2460, 0.2941, 0.3157



83.2460, 0.3269, 0.3257

Complementary

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



83.2460, 0.3173, 0.3457



75.2298, 0.3079, 0.3123

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.



83.2460, 0.3181, 0.3179



83.2460, 0.3173, 0.3457



83.2460, 0.2991, 0.3121

Square

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



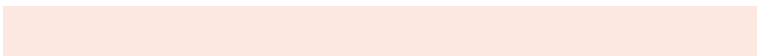
83.2460, 0.3173, 0.3457



83.2460, 0.2939, 0.3230



83.2460, 0.3079, 0.3130



83.2460, 0.3320, 0.3345

Rectangle

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



83.2460, 0.3173, 0.3457



83.2460, 0.3012, 0.3351



83.2460, 0.3079, 0.3130



83.2460, 0.3243, 0.3229

Sweetspot

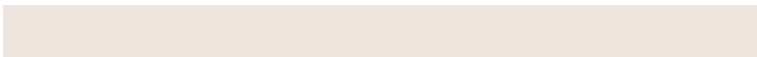
The Sweet Spot groups the original color and five complimentary colors.



83.2496, 0.3173, 0.3457



99.1993, 0.3141, 0.3339



79.8931, 0.3234, 0.3370



21.2411, 0.3140, 0.3336



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.



83.2496, 0.3173, 0.3457



96.8863, 0.3182, 0.3491



81.9891, 0.3121, 0.3460



18.0478, 0.3192, 0.3529



36.4181, 0.3372, 0.5705



3.0888, 0.3471, 0.5626

Inverse Universe

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



75.2298, 0.3079, 0.3123



85.7697, 0.3069, 0.3089



76.5470, 0.3133, 0.3126



15.6137, 0.3057, 0.3051



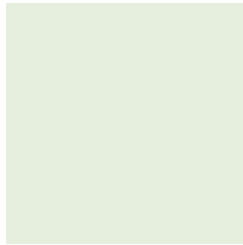
5.6713, 0.2016, 0.0884



0.5309, 0.2158, 0.0963

Previews

White Background



This preview shows how the Yxy color 83.2460, 0.3173, 0.3457 looks on a white background.

Color Contrast Check

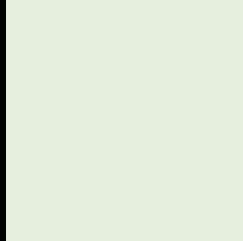
Large Text (above 18pt) WCAG AA × Fail

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 83.2460, 0.3173, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

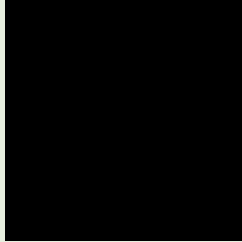
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

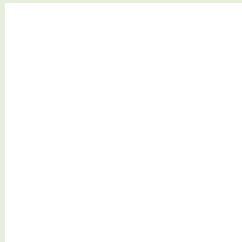
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2460, 0.3173, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 83.2460, 0.3173, 0.3457.

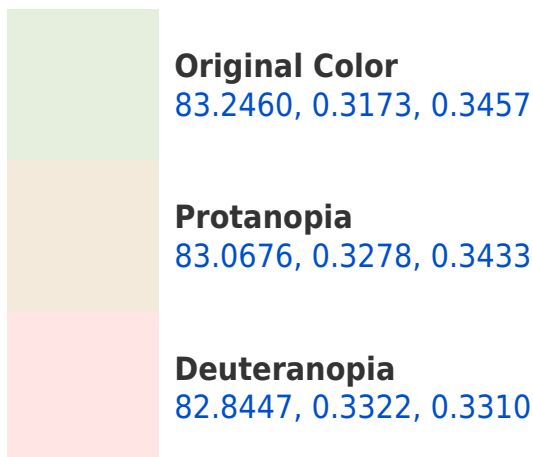


This preview shows how white text looks on a background with the Yxy color 83.2460, 0.3173, 0.3457.

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

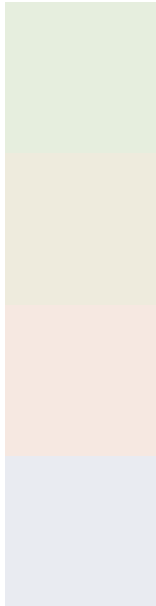




Tritanopia

83.5361, 0.3024, 0.3109

Trichromacy



Original Color

83.2460, 0.3173, 0.3457

Protanomaly

82.8143, 0.3236, 0.3435

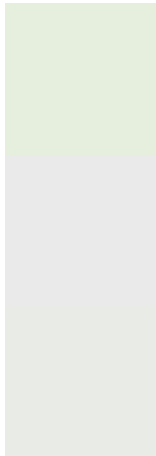
Deuteranomaly

82.7423, 0.3268, 0.3361

Tritanomaly

83.0912, 0.3077, 0.3229

Monochromacy



Original Color

83.2460, 0.3173, 0.3457

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4535, 0.3145, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2460, 0.3173, 0.3457 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, 238, 222)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 222)  
}
```

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, 238, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.2460, 0.3173, 0.3457 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, 238, 222) }
```

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

```
.border{ border-color:rgb(230, 238, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 222);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2460, 0.3173, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 222) }
```

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

```
.background{ background-color: rgb(230,  
238, 222) }
```

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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