

Converting Colors

$Yxy(81.9575, 0.3149, 0.3442)$

Have a look what the booklet for
Yxy(81.9575, 0.3149, 0.3442)
contains.

Yxy(82.1732, 0.3153, 0.3448)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.1732, 0.3153, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDDE
RGB	227, 237, 222
RGB Percent	89%, 93%, 87%
CMY	0.1099, 0.0705, 0.1294
CMYK	0.04, 0.00, 0.06, 0.07
HSL	100°, 29%, 90%
HSV	100°, 6%, 93%
XYZ	75.1427, 82.1732, 81.0054
YIQ	232.3000, -1.1450, -6.7850

Conversions

Conversions Part 2

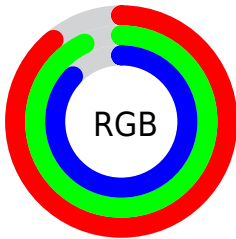
Format	Color
R _Y B	222, 237, 232
Decimal	14937566
CIE Lab	92.65, -5.99, 6.11
CIE LCh	93, 8.556, 134.467
Yxy	82.1732, 0.3153, 0.3448
Android (android.graphics.Color)	4293127646 (0xFFE3EDDE)
YUV	232.3000, -5.0779, -4.6481
Hunter-Lab	90.6494, -10.6712, 10.4723

Details

The Yxy color **82.1732, 0.3153, 0.3448** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **75.5171, 0.3100, 0.3134**, and the grayscale version is **80.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6084, 0.3161, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **78.5368, 0.3193, 0.3719**, and if you desaturate by 10%, it is **86.2321, 0.3112, 0.3203**.

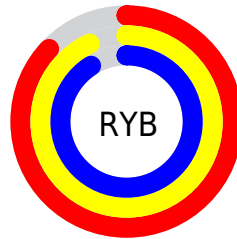
Distribution



Red (89%)

Green (93%)

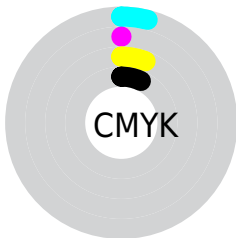
Blue (87%)



Red (87%)

Yellow (93%)

Blue (91%)

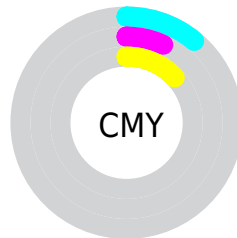


Cyan (4%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1732, 0.3153, 0.3448 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 82.1732, 0.3153, 0.3448 by changing the saturation by 10% instead.

82.1732, 0.3153,
0.3448

82.1732, 0.3153,
0.3448

502.2269, 0.3142,
0.3376

61.5083, 0.3155,
0.3464

136.4169, 0.3149,
0.3423

44.6355, 0.3158,
0.3484

170.7644, 0.3148,
0.3413

31.1704, 0.3162,
0.3510

210.4417, 0.3146,
0.3405

20.7287, 0.3167,
0.3543

255.8330, 0.3145,
0.3398

12.9258, 0.3173,
0.3587

307.3228, 0.3144,
0.3391

7.3775, 0.3181,
0.3651

365.2954, 0.3143,

3.6993, 0.3192,

0.3385

0.3749

430.1353, 0.3142,
0.3380

■ 1.5068, 0.3209,
0.3919

■ 0.2935, 0.3113,
0.6887

■ 82.1732, 0.3153,
0.3448

■ 82.1732, 0.3153,
0.3448

■ 78.5368, 0.3193,
0.3719

■ 86.2321, 0.3112,
0.3203

■ 75.2985, 0.3229,
0.4015

■ 89.0549, 0.3135,
0.3117

■ 72.4473, 0.3261,
0.4329

■ 69.9676, 0.3283,
0.4653

■ 67.8430, 0.3293,
0.4971

■ 66.0553, 0.3288,
0.5267

■ 64.5847, 0.3267,
0.5519

■ 63.4088, 0.3229,
0.5713

■ 62.5012, 0.3179,
0.5838

Harmonies

Analogous

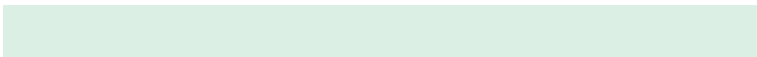
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1732, 0.3246, 0.3462



82.1732, 0.3153, 0.3448



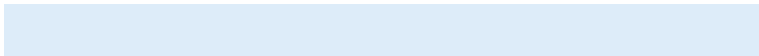
82.1732, 0.3054, 0.3389

Triad

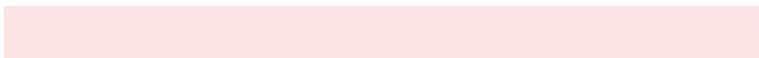
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1732, 0.3153, 0.3448



82.1732, 0.2949, 0.3149



82.1732, 0.3281, 0.3275

Complementary

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



82.1732, 0.3153, 0.3448



75.5171, 0.3100, 0.3134

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.



82.1732, 0.3199, 0.3194



82.1732, 0.3153, 0.3448



82.1732, 0.3008, 0.3122

Square

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



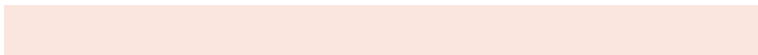
82.1732, 0.3153, 0.3448



82.1732, 0.2938, 0.3215



82.1732, 0.3099, 0.3138



82.1732, 0.3321, 0.3360

Rectangle

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



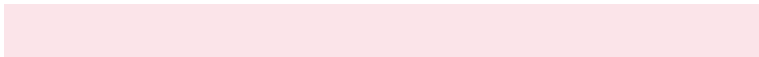
82.1732, 0.3153, 0.3448



82.1732, 0.2998, 0.3333



82.1732, 0.3099, 0.3138



82.1732, 0.3257, 0.3246

Sweetspot

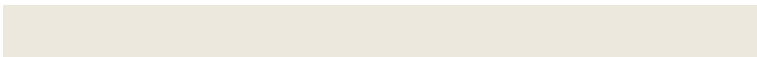
The Sweet Spot groups the original color and five complimentary colors.



82.1767, 0.3153, 0.3448



99.0354, 0.3135, 0.3339



80.9974, 0.3225, 0.3394



21.2078, 0.3135, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

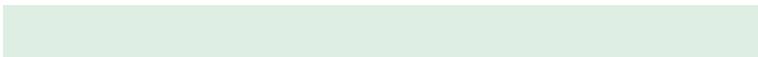
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1767, 0.3153, 0.3448



96.2614, 0.3160, 0.3492



81.5132, 0.3104, 0.3423



17.1050, 0.3166, 0.3530



34.0320, 0.3171, 0.5864



2.7231, 0.3277, 0.5780

Inverse Universe

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



75.5171, 0.3100, 0.3134



86.4060, 0.3092, 0.3091



76.2180, 0.3151, 0.3161



15.0488, 0.3085, 0.3054



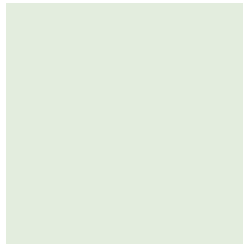
7.3993, 0.2388, 0.1089



0.6331, 0.2503, 0.1153

Previews

White Background



This preview shows how the Yxy color 82.1732, 0.3153, 0.3448 looks on a white background.

Color Contrast Check

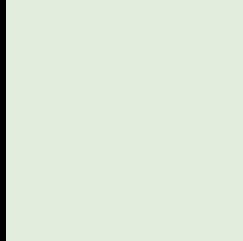
Large Text (above 18pt) WCAG AA × Fail

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 82.1732, 0.3153, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

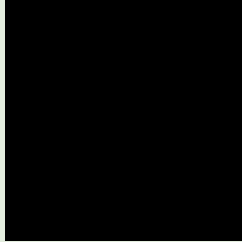
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

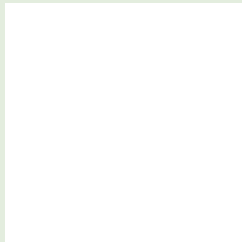
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1732, 0.3153, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 82.1732, 0.3153, 0.3448.

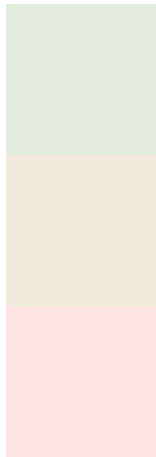


This preview shows how white text looks on a background with the Yxy color 82.1732, 0.3153, 0.3448.

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

82.1732, 0.3153, 0.3448

Protanopia

82.1459, 0.3265, 0.3424

Deuteranopia

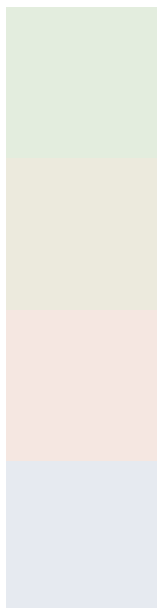
81.6892, 0.3331, 0.3301



Tritanopia

82.2318, 0.3004, 0.3107

Trichromacy



Original Color

82.1732, 0.3153, 0.3448

Protanomaly

81.8990, 0.3223, 0.3425

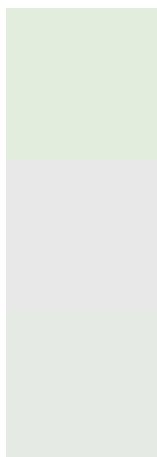
Deuteranomaly

82.0005, 0.3262, 0.3351

Tritanomaly

81.9599, 0.3064, 0.3228

Monochromacy



Original Color

82.1732, 0.3153, 0.3448

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2701, 0.3138, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1732, 0.3153, 0.3448 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(227, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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(227, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 82.1732, 0.3153, 0.3448 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(227, 237, 222) }
```

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

```
.border{ border-color:rgb(227, 237, 222) }
```

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

Here you see how a box with a 4 pixel rgb(227, 237, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1732, 0.3153, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 222) }
```

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

```
.background{ background-color: rgb(227,  
237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor