

Converting Colors

$Yxy(82.0721, 0.3191, 0.3501)$

Have a look what the booklet for
Yxy(82.0721, 0.3191, 0.3501)
contains.

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Color

Yxy(82.0721, 0.3191, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	E4EDD9
RGB	228, 237, 217
RGB Percent	89%, 93%, 85%
CMY	0.1059, 0.0706, 0.1490
CMYK	0.04, 0.00, 0.08, 0.07
HSL	87°, 36%, 89%
HSV	87°, 8%, 93%
XYZ	74.8049, 82.0721, 77.5477
YIQ	232.0290, 1.0560, -8.1280

Conversions

Conversions Part 2

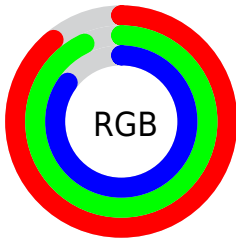
Format	Color
R _Y B	217, 237, 226
Decimal	15003097
CIE Lab	92.61, -6.50, 8.65
CIE LCh	93, 10.813, 126.917
Yxy	82.0721, 0.3191, 0.3501
Android (android.graphics.Color)	4293193177 (0xFFE4EDD9)
YUV	232.0290, -7.4093, -3.5334
Hunter-Lab	90.5937, -11.1480, 12.6636

Details

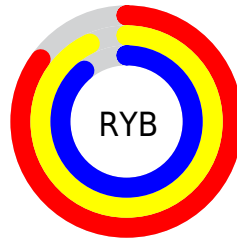
The Yxy color **82.0721, 0.3191, 0.3501** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9133, 0.3059, 0.3078**, and the grayscale version is **80.7777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5406, 0.3210, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **79.2386, 0.3266, 0.3770**, and if you desaturate by 10%, it is **85.1974, 0.3115, 0.3253**.

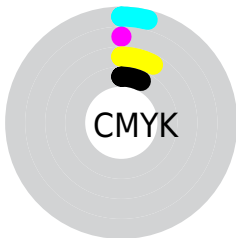
Distribution



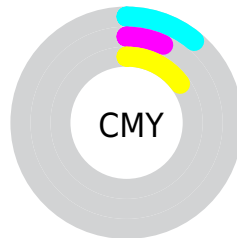
- Red (89%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0721, 0.3191, 0.3501 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 82.0721, 0.3191, 0.3501 by changing the saturation by 10% instead.

82.0721, 0.3191,
0.3501

82.0721, 0.3191,
0.3501

501.8888, 0.3163,
0.3404

61.4250, 0.3197,
0.3523

136.2751, 0.3181,
0.3468

44.5682, 0.3205,
0.3550

170.5998, 0.3178,
0.3455

31.1175, 0.3214,
0.3584

210.2524, 0.3174,
0.3443

20.6883, 0.3226,
0.3628

255.6174, 0.3171,
0.3434

12.8964, 0.3242,
0.3688

307.0791, 0.3169,
0.3425

7.3572, 0.3263,
0.3773

365.0220, 0.3167,

3.6865, 0.3294,

0.3417

0.3905

429.8305, 0.3164,
0.3410

■ 1.4998, 0.3341,
0.4135

■ 0.2886, 0.2862,
0.7138

■ 82.0721, 0.3191,
0.3501

■ 82.0721, 0.3191,
0.3501

■ 79.2386, 0.3266,
0.3770

■ 85.1974, 0.3115,
0.3253

■ 76.6768, 0.3339,
0.4054

■ 87.9921, 0.3098,
0.3115

■ 74.3803, 0.3404,
0.4348

■ 89.0507, 0.3135,
0.3117

■ 72.3383, 0.3459,
0.4642

■ 70.5392, 0.3497,
0.4922

■ 68.9702, 0.3516,
0.5174

■ 67.6172, 0.3511,
0.5385

■ 66.4634, 0.3483,
0.5543

■ 65.4861, 0.3434,
0.5647

Harmonies

Analogous

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



82.0721, 0.3302, 0.3503



82.0721, 0.3191, 0.3501



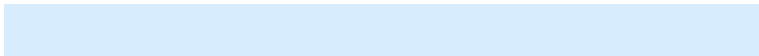
82.0721, 0.3065, 0.3439

Triad

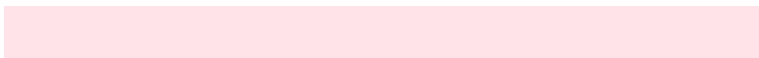
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0721, 0.3191, 0.3501



82.0721, 0.2893, 0.3128



82.0721, 0.3299, 0.3243

Complementary

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



82.0721, 0.3191, 0.3501



71.9133, 0.3059, 0.3078

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.



82.0721, 0.3187, 0.3148



82.0721, 0.3191, 0.3501



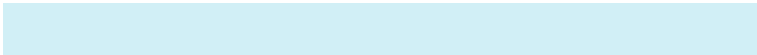
82.0721, 0.2953, 0.3081

Square

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



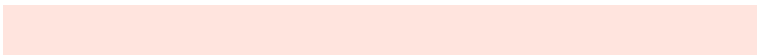
82.0721, 0.3191, 0.3501



82.0721, 0.2895, 0.3221



82.0721, 0.3060, 0.3089



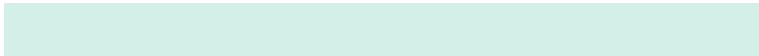
82.0721, 0.3366, 0.3352

Rectangle

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



82.0721, 0.3191, 0.3501



82.0721, 0.2989, 0.3373



82.0721, 0.3060, 0.3089



82.0721, 0.3265, 0.3208

Sweetspot

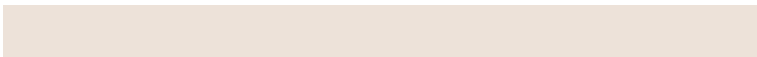
The Sweet Spot groups the original color and five complimentary colors.



82.0756, 0.3191, 0.3501



98.8700, 0.3150, 0.3364



77.2298, 0.3264, 0.3381



21.0987, 0.3156, 0.3384



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.



82.0756, 0.3191, 0.3501



96.3534, 0.3203, 0.3543



80.5386, 0.3126, 0.3505



17.2705, 0.3199, 0.3528



35.7535, 0.3438, 0.5653



2.8645, 0.3537, 0.5573

Inverse Universe

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



71.9133, 0.3059, 0.3078



82.2320, 0.3045, 0.3036



73.5203, 0.3127, 0.3083



14.8808, 0.3050, 0.3051



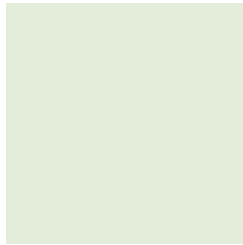
5.1084, 0.1931, 0.0838



0.4575, 0.2085, 0.0922

Previews

White Background



This preview shows how the Yxy color 82.0721, 0.3191, 0.3501 looks on a white background.

Color Contrast Check

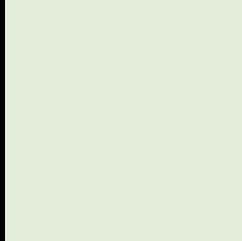
Large Text (above 18pt) WCAG AA × Fail

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 82.0721, 0.3191, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

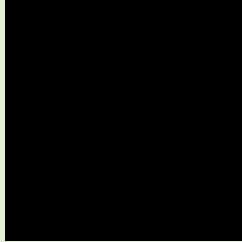
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

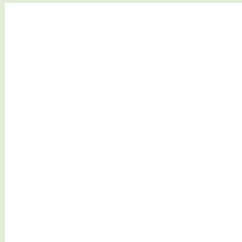
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0721, 0.3191, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 82.0721, 0.3191, 0.3501.

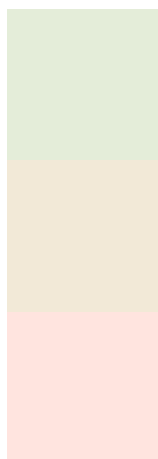


This preview shows how white text looks on a background with the Yxy color 82.0721, 0.3191, 0.3501.

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

82.0721, 0.3191, 0.3501

Protanopia

82.0614, 0.3305, 0.3476

Deuteranopia

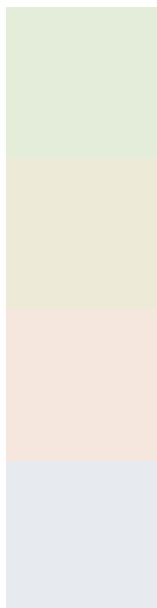
82.0745, 0.3350, 0.3341



Tritanopia

81.9390, 0.3023, 0.3107

Trichromacy



Original Color

82.0721, 0.3191, 0.3501

Protanomaly

81.8080, 0.3262, 0.3477

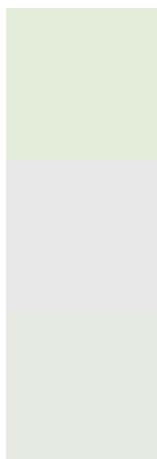
Deuteranomaly

81.7848, 0.3289, 0.3392

Tritanomaly

82.0076, 0.3082, 0.3249

Monochromacy



Original Color

82.0721, 0.3191, 0.3501

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3806, 0.3151, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0721, 0.3191, 0.3501 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(228, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 217)  
}
```

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(228, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 217) }
```

Border

The CSS property to change the border of an element to Yxy 82.0721, 0.3191, 0.3501 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(228, 237, 217) }
```

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

```
.border{ border-color:rgb(228, 237, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0721, 0.3191, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 217) }
```

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

```
.background{ background-color: rgb(228,  
237, 217) }
```

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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