

Converting Colors

Yxy(81.5786, 0.3161, 0.3511)

Have a look what the booklet for
Yxy(81.5786, 0.3161, 0.3511)
contains.

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Color

Yxy(81.2661, 0.3157, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	DFEDD9
RGB	223, 237, 217
RGB Percent	87%, 93%, 85%
CMY	0.1255, 0.0706, 0.1489
CMYK	0.06, 0.00, 0.08, 0.07
HSL	102°, 36%, 89%
HSV	102°, 8%, 93%
XYZ	73.2392, 81.2661, 77.4847
YIQ	230.5340, -1.9240, -9.1880

Conversions

Conversions Part 2

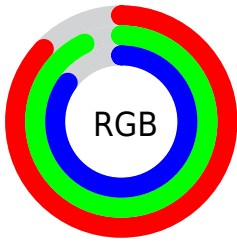
Format	Color
R _Y B	217, 237, 231
Decimal	14675417
CIE Lab	92.25, -8.20, 8.08
CIE LCh	92, 11.512, 135.431
Yxy	81.2661, 0.3157, 0.3503
Android (android.graphics.Color)	4292865497 (0xFFDFEDD9)
YUV	230.5340, -6.6723, -6.6073
Hunter-Lab	90.1477, -12.7387, 12.1419

Details

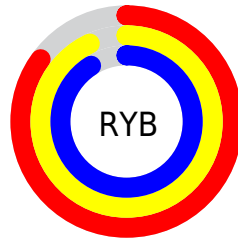
The Yxy color **81.2661, 0.3157, 0.3503** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7469, 0.3095, 0.3081**, and the grayscale version is **79.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9812, 0.3166, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **77.6113, 0.3191, 0.3781**, and if you desaturate by 10%, it is **85.3643, 0.3122, 0.3253**.

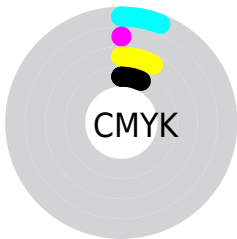
Distribution



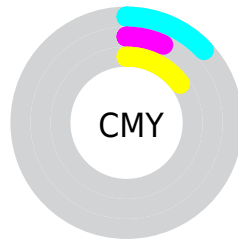
- Red (87%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2661, 0.3157, 0.3503 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 81.2661, 0.3157, 0.3503 by changing the saturation by 10% instead.

81.2661, 0.3157,
0.3503

81.2661, 0.3157,
0.3503

499.1895, 0.3144,
0.3405

60.7608, 0.3160,
0.3525

135.1443, 0.3153,
0.3469

44.0321, 0.3163,
0.3553

169.2861, 0.3151,
0.3456

30.6958, 0.3167,
0.3587

208.7420, 0.3149,
0.3445

20.3673, 0.3172,
0.3633

253.8966, 0.3148,
0.3435

12.6623, 0.3178,
0.3694

305.1343, 0.3147,
0.3426

7.1964, 0.3186,
0.3782

362.8394, 0.3146,

3.5852, 0.3197,

0.3418

0.3920

427.3963, 0.3145,
0.3411

■ 1.4444, 0.3210,
0.4163

■ 0.2491, 0.1279,
0.8721

■ 81.2661, 0.3157,
0.3503

■ 81.2661, 0.3157,
0.3503

■ 77.6113, 0.3191,
0.3781

■ 85.3643, 0.3122,
0.3253

■ 74.3744, 0.3221,
0.4083

■ 89.0525, 0.3135,
0.3117

■ 71.5431, 0.3246,
0.4404

■ 69.1005, 0.3261,
0.4732

■ 67.0285, 0.3264,
0.5052

■ 65.3073, 0.3253,
0.5344

■ 63.9152, 0.3227,
0.5589

■ 62.8273, 0.3187,
0.5770

■ 62.0119, 0.3138,
0.5882

Harmonies

Analogous

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



81.2661, 0.3284, 0.3524



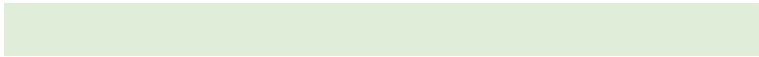
81.2661, 0.3157, 0.3503



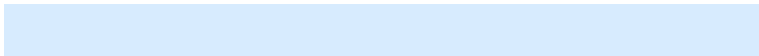
81.2661, 0.3024, 0.3421

Triad

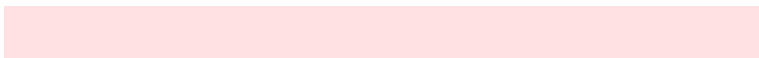
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2661, 0.3157, 0.3503



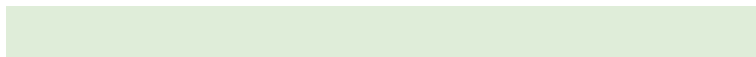
81.2661, 0.2889, 0.3097



81.2661, 0.3337, 0.3272

Complementary

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



81.2661, 0.3157, 0.3503



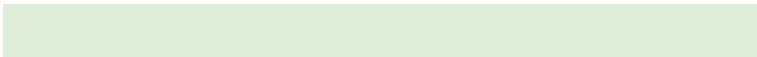
72.7469, 0.3095, 0.3081

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.



81.2661, 0.3228, 0.3164



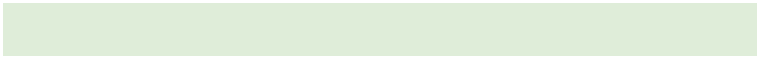
81.2661, 0.3157, 0.3503



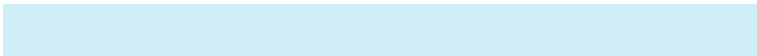
81.2661, 0.2970, 0.3064

Square

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



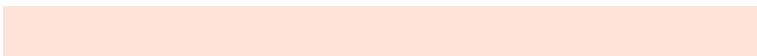
81.2661, 0.3157, 0.3503



81.2661, 0.2872, 0.3184



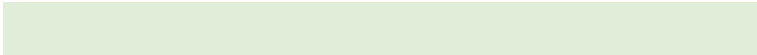
81.2661, 0.3093, 0.3088



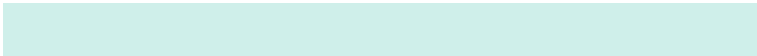
81.2661, 0.3390, 0.3387

Rectangle

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



81.2661, 0.3157, 0.3503



81.2661, 0.2950, 0.3344



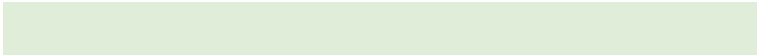
81.2661, 0.3093, 0.3088



81.2661, 0.3306, 0.3234

Sweetspot

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



81.2696, 0.3157, 0.3503



98.5135, 0.3138, 0.3364



80.1748, 0.3259, 0.3436



21.0026, 0.3141, 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.



81.2696, 0.3157, 0.3503



95.2294, 0.3163, 0.3546



80.5489, 0.3093, 0.3462



17.0801, 0.3161, 0.3530



33.8541, 0.3141, 0.5888



2.7067, 0.3243, 0.5807

Inverse Universe

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



72.7469, 0.3095, 0.3081



83.3800, 0.3088, 0.3040



73.5261, 0.3164, 0.3124



15.0749, 0.3090, 0.3054



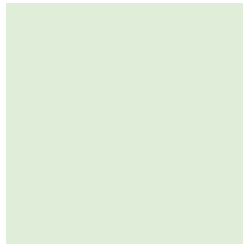
7.8492, 0.2467, 0.1133



0.6659, 0.2572, 0.1191

Previews

White Background



This preview shows how the Yxy color 81.2661, 0.3157, 0.3503 looks on a white background.

Color Contrast Check

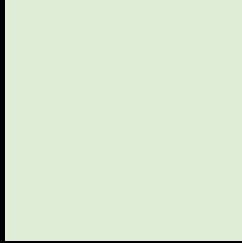
Large Text (above 18pt) WCAG AA × Fail

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 81.2661, 0.3157, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

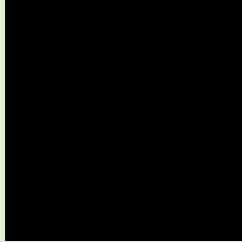
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

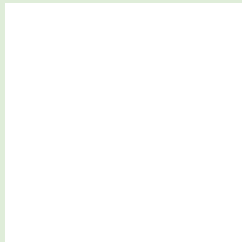
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2661, 0.3157, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 81.2661, 0.3157, 0.3503.

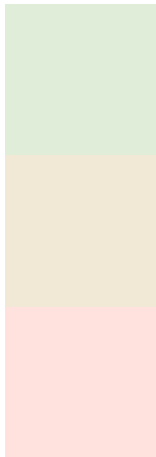


This preview shows how white text looks on a background with the Yxy color 81.2661, 0.3157, 0.3503.

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

81.2661, 0.3157, 0.3503

Protanopia

81.2690, 0.3305, 0.3476

Deuteranopia

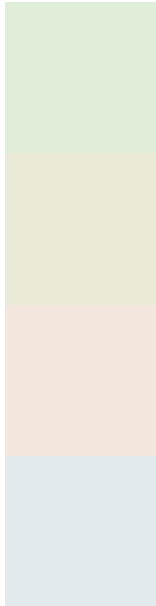
80.9266, 0.3359, 0.3331



Tritanopia

81.1093, 0.2990, 0.3105

Trichromacy



Original Color

81.2661, 0.3157, 0.3503

Protanomaly

81.2444, 0.3248, 0.3489

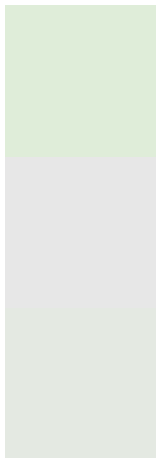
Deuteranomaly

80.8156, 0.3282, 0.3393

Tritanomaly

81.1874, 0.3049, 0.3248

Monochromacy



Original Color

81.2661, 0.3157, 0.3503

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2628, 0.3137, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2661, 0.3157, 0.3503 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(223, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 217) }
```

Border

The CSS property to change the border of an element to Yxy 81.2661, 0.3157, 0.3503 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(223, 237, 217) }
```

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

```
.border{ border-color:rgb(223, 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(223, 237, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 237, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 237, 217); box-shadow:4px 4px 4px 4px rgb(223, 237, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2661, 0.3157, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 217) }
```

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

```
.background{ background-color: rgb(223,  
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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