

Converting Colors

$Yxy(82.0383, 0.3178, 0.3507)$

Have a look what the booklet for
Yxy(82.0383, 0.3178, 0.3507)
contains.

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Color

Yxy(81.7469, 0.3177, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	E2EDD9
RGB	226, 237, 217
RGB Percent	89%, 93%, 85%
CMY	0.1139, 0.0705, 0.1490
CMYK	0.05, 0.00, 0.08, 0.07
HSL	93°, 36%, 89%
HSV	93°, 8%, 93%
XYZ	74.1605, 81.7469, 77.5218
YIQ	231.4310, -0.1360, -8.5520

Conversions

Conversions Part 2

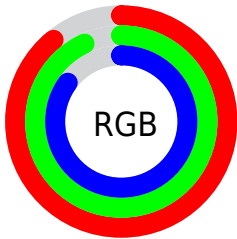
Format	Color
R_{YB}	217, 237, 228
Decimal	14872025
CIE Lab	92.46, -7.21, 8.42
CIE LCh	92, 11.081, 130.564
Yxy	81.7469, 0.3177, 0.3502
Android (android.graphics.Color)	4293062105 (0xFFE2EDD9)
YUV	231.4310, -7.1145, -4.7630
Hunter-Lab	90.4140, -11.8131, 12.4540

Details

The Yxy color **81.7469, 0.3177, 0.3502** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2550, 0.3074, 0.3079**, and the grayscale version is **80.2997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3143, 0.3193, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **78.5644, 0.3235, 0.3774**, and if you desaturate by 10%, it is **85.2759, 0.3118, 0.3253**.

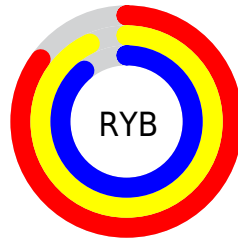
Distribution



Red (89%)

Green (93%)

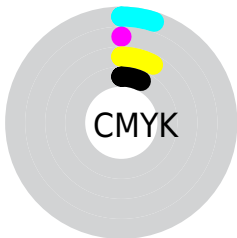
Blue (85%)



Red (85%)

Yellow (93%)

Blue (89%)

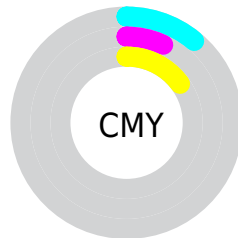


Cyan (5%)

Magenta (0%)

Yellow (8%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7469, 0.3177, 0.3502 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 81.7469, 0.3177, 0.3502 by changing the saturation by 10% instead.

81.7469, 0.3177,
0.3502

81.7469, 0.3177,
0.3502

500.8007, 0.3155,
0.3405

61.1569, 0.3182,
0.3524

135.8190, 0.3170,
0.3468

44.3518, 0.3188,
0.3551

170.0699, 0.3167,
0.3455

30.9472, 0.3195,
0.3586

209.6433, 0.3164,
0.3444

20.5586, 0.3204,
0.3630

254.9235, 0.3162,
0.3434

12.8018, 0.3216,
0.3691

306.2950, 0.3160,
0.3425

7.2922, 0.3232,
0.3777

364.1421, 0.3158,

3.6455, 0.3254,

0.3418

0.3912

428.8492, 0.3156,
0.3411

■ 1.4773, 0.3287,
0.4147

■ 0.2727, 0.2339,
0.7661

■ 81.7469, 0.3177,
0.3502

■ 81.7469, 0.3177,
0.3502

■ 78.5644, 0.3235,
0.3774

■ 85.2759, 0.3118,
0.3253

■ 75.7067, 0.3290,
0.4066

■ 88.5300, 0.3117,
0.3116

■ 73.1654, 0.3338,
0.4372

■ 89.0603, 0.3135,
0.3117

■ 70.9281, 0.3375,
0.4680

■ 68.9812, 0.3398,
0.4978

■ 67.3098, 0.3402,
0.5248

■ 65.8975, 0.3385,
0.5475

■ 64.7255, 0.3348,
0.5646

■ 63.7685, 0.3294,
0.5758

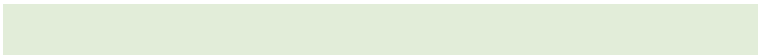
Harmonies

Analogous

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



81.7469, 0.3295, 0.3512



81.7469, 0.3177, 0.3502



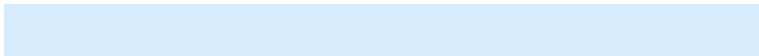
81.7469, 0.3048, 0.3432

Triad

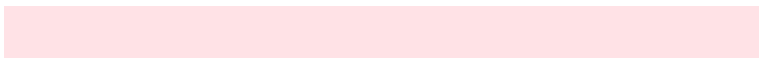
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7469, 0.3177, 0.3502



81.7469, 0.2892, 0.3115



81.7469, 0.3315, 0.3255

Complementary

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



81.7469, 0.3177, 0.3502



72.2550, 0.3074, 0.3079

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.



81.7469, 0.3204, 0.3154



81.7469, 0.3177, 0.3502



81.7469, 0.2960, 0.3074

Square

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



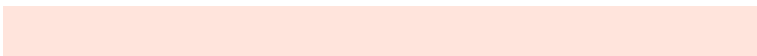
81.7469, 0.3177, 0.3502



81.7469, 0.2885, 0.3205



81.7469, 0.3073, 0.3089



81.7469, 0.3376, 0.3366

Rectangle

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



81.7469, 0.3177, 0.3502



81.7469, 0.2973, 0.3361



81.7469, 0.3073, 0.3089



81.7469, 0.3282, 0.3219

Sweetspot

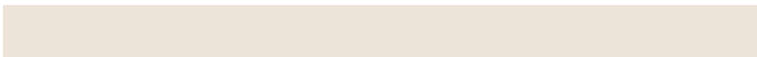
The Sweet Spot groups the original color and five complimentary colors.



81.7504, 0.3177, 0.3502



98.7228, 0.3145, 0.3364



78.5141, 0.3262, 0.3405



21.0590, 0.3150, 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.



81.7504, 0.3177, 0.3502



95.8858, 0.3186, 0.3544



80.3962, 0.3111, 0.3495



17.1913, 0.3183, 0.3529



34.8103, 0.3297, 0.5764



2.7897, 0.3405, 0.5678

Inverse Universe

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



72.2550, 0.3074, 0.3079



82.6999, 0.3063, 0.3038



73.6966, 0.3144, 0.3093



14.9599, 0.3067, 0.3053



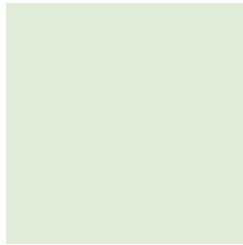
6.0597, 0.2133, 0.0949



0.5328, 0.2275, 0.1027

Previews

White Background



This preview shows how the Yxy color 81.7469, 0.3177, 0.3502 looks on a white background.

Color Contrast Check

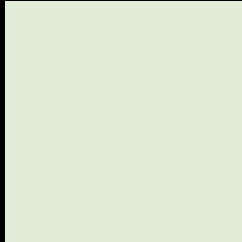
Large Text (above 18pt) WCAG AA × Fail

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 81.7469, 0.3177, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

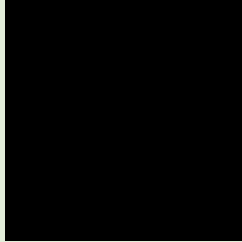
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

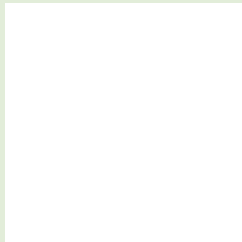
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7469, 0.3177, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 81.7469, 0.3177, 0.3502.

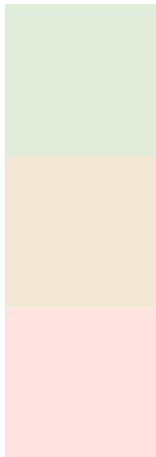


This preview shows how white text looks on a background with the Yxy color 81.7469, 0.3177, 0.3502.

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

81.7469, 0.3177, 0.3502

Protanopia

81.4455, 0.3312, 0.3476

Deuteranopia

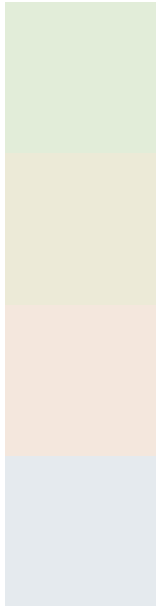
81.5259, 0.3351, 0.3331



Tritanopia

81.6043, 0.3010, 0.3106

Trichromacy



Original Color

81.7469, 0.3177, 0.3502

Protanomaly

81.5848, 0.3261, 0.3488

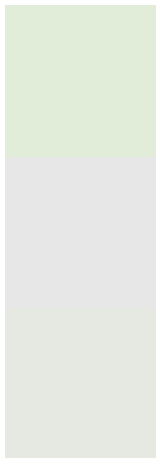
Deuteranomaly

81.6054, 0.3282, 0.3393

Tritanomaly

81.6767, 0.3069, 0.3248

Monochromacy



Original Color

81.7469, 0.3177, 0.3502

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4268, 0.3144, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7469, 0.3177, 0.3502 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(226, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 217) }
```

Border

The CSS property to change the border of an element to Yxy 81.7469, 0.3177, 0.3502 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(226, 237, 217) }
```

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

```
.border{ border-color:rgb(226, 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(226, 237, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 237, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 237, 217); box-shadow:4px 4px 4px 4px rgb(226, 237, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7469, 0.3177, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 217) }
```

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

```
.background{ background-color: rgb(226,  
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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