

Converting Colors

Yxy(84.5720, 0.3136, 0.3511)

Have a look what the booklet for
Yxy(84.5720, 0.3136, 0.3511)
contains.

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Color

Yxy(84.5720, 0.3136, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	E0F2DD
RGB	224, 242, 221
RGB Percent	88%, 95%, 87%
CMY	0.1217, 0.0509, 0.1332
CMYK	0.07, 0.00, 0.09, 0.05
HSL	112°, 45%, 91%
HSV	112°, 9%, 95%
XYZ	75.5391, 84.5720, 80.7661
YIQ	234.2240, -3.9870, -10.3470

Conversions

Conversions Part 2

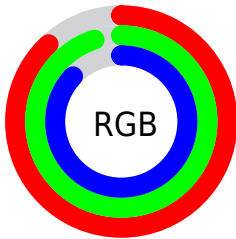
Format	Color
R_{YB}	221, 242, 239
Decimal	14742237
CIE _{Lab}	93.70, -9.70, 8.09
CIE _{LCh}	94, 12.627, 140.157
Yxy	84.5720, 0.3136, 0.3511
Android (android.graphics.Color)	4292932317 (0xFFE0F2DD)
YUV	234.2240, -6.5194, -8.9664
Hunter-Lab	91.9630, -14.3141, 12.3029

Details

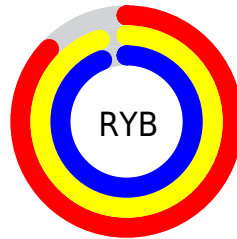
The Yxy color **84.5720, 0.3136, 0.3511** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.5006, 0.3117, 0.3076**, and the grayscale version is **82.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3060, 0.3139, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **80.2540, 0.3144, 0.3795**, and if you desaturate by 10%, it is **89.4899, 0.3126, 0.3258**.

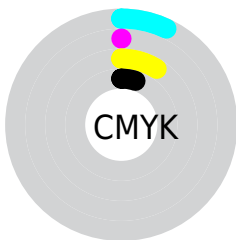
Distribution



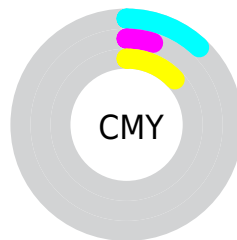
- Red (88%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)





- Cyan (12%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5720, 0.3136, 0.3511 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 84.5720, 0.3136, 0.3511 by changing the saturation by 10% instead.


 84.5720, 0.3136,
0.3511

 84.5720, 0.3136,
0.3511


510.2108, 0.3133,
0.3410

 63.4878, 0.3137,
0.3534


139.7750, 0.3135,
0.3476

 46.2359, 0.3137,
0.3562


174.6627, 0.3135,
0.3463

 32.4321, 0.3138,
0.3597


214.9202, 0.3134,
0.3451

 21.6917, 0.3138,
0.3643

260.9321, 0.3134,
0.3441

 13.6306, 0.3139,
0.3705

313.0827, 0.3134,
0.3432

 7.8642, 0.3138,
0.3794

371.7564, 0.3133,

 4.0082, 0.3136,

0.3424

0.3930

437.3376, 0.3133,
0.3416

■ 1.6781, 0.3126,
0.4166

■ 0.4094, 0.2713,
0.7287

■ 84.5720, 0.3136,
0.3511

■ 84.5720, 0.3136,
0.3511

■ 80.2540, 0.3144,
0.3795

■ 89.4899, 0.3126,
0.3258

■ 76.5026, 0.3150,
0.4109

■ 91.9913, 0.3133,
0.3166

■ 73.2974, 0.3151,
0.4446

■ 70.6126, 0.3147,
0.4794

■ 68.4206, 0.3136,
0.5134

■ 66.6908, 0.3118,
0.5441

■ 65.3894, 0.3093,
0.5692

■ 64.4776, 0.3065,
0.5868

■ 63.9064, 0.3036,
0.5964

Harmonies

Analogous

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



84.5720, 0.3277, 0.3545



84.5720, 0.3136, 0.3511



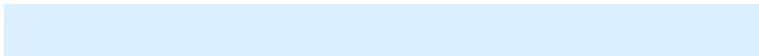
84.5720, 0.2995, 0.3414

Triad

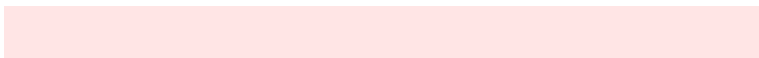
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5720, 0.3136, 0.3511



84.5720, 0.2880, 0.3072



84.5720, 0.3369, 0.3290

Complementary

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



84.5720, 0.3136, 0.3511



76.5006, 0.3117, 0.3076

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.



84.5720, 0.3258, 0.3171



84.5720, 0.3136, 0.3511



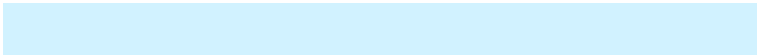
84.5720, 0.2975, 0.3045

Square

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



84.5720, 0.3136, 0.3511



84.5720, 0.2849, 0.3157



84.5720, 0.3113, 0.3082



84.5720, 0.3413, 0.3413

Rectangle

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



84.5720, 0.3136, 0.3511



84.5720, 0.2920, 0.3328



84.5720, 0.3113, 0.3082



84.5720, 0.3338, 0.3249

Sweetspot

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



84.5756, 0.3136, 0.3511



98.2909, 0.3130, 0.3364



85.7545, 0.3259, 0.3472



20.9428, 0.3131, 0.3384



0.0000, 0.0000, 0.0000



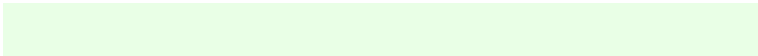
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5756, 0.3136, 0.3511



94.5418, 0.3137, 0.3548



84.5096, 0.3073, 0.3433



17.7627, 0.3137, 0.3533



34.3315, 0.3039, 0.5969



2.8888, 0.3107, 0.5915

Inverse Universe

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



76.5006, 0.3117, 0.3076



84.1235, 0.3115, 0.3042



76.5848, 0.3186, 0.3151



15.9125, 0.3115, 0.3056



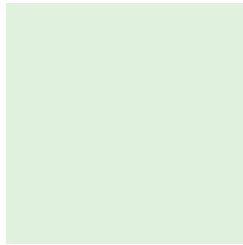
10.6970, 0.2857, 0.1348



0.9205, 0.2906, 0.1375

Previews

White Background



This preview shows how the Yxy color 84.5720, 0.3136, 0.3511 looks on a white background.

Color Contrast Check

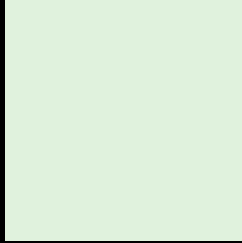
Large Text (above 18pt) WCAG AA × Fail

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 84.5720, 0.3136, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

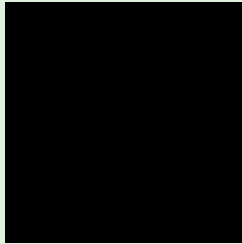
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

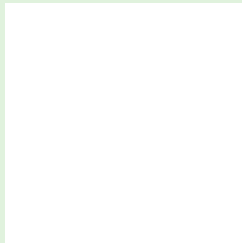
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5720, 0.3136, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 84.5720, 0.3136, 0.3511.

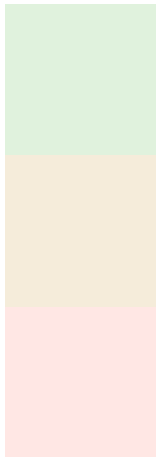


This preview shows how white text looks on a background with the Yxy color 84.5720, 0.3136, 0.3511.

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

84.5720, 0.3136, 0.3511

Protanopia

84.4653, 0.3302, 0.3473

Deuteranopia

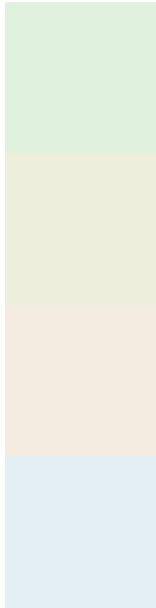
84.0133, 0.3313, 0.3320



Tritanopia

84.6114, 0.2974, 0.3108

Trichromacy



Original Color

84.5720, 0.3136, 0.3511

Protanomaly

84.2681, 0.3239, 0.3486

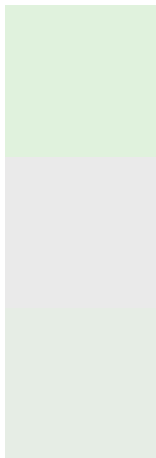
Deuteranomaly

84.0860, 0.3251, 0.3392

Tritanomaly

84.6980, 0.3032, 0.3249

Monochromacy



Original Color

84.5720, 0.3136, 0.3511

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0485, 0.3130, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5720, 0.3136, 0.3511 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(224, 242, 221)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 221)  
}
```

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(224, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.5720, 0.3136, 0.3511 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(224, 242, 221) }
```

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

```
.border{ border-color:rgb(224, 242, 221) }
```

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

Here you see how a box with a 4 pixel rgb(224, 242, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5720, 0.3136, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 221) }
```

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

```
.background{ background-color: rgb(224,  
242, 221) }
```

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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