

Converting Colors

$Y_{xy}(90.1075, 0.3126, 0.3421)$

Have a look what the booklet for
Yxy(90.1075, 0.3126, 0.3421)
contains.

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Color

Yxy(90.1242, 0.3127, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	EBF7EA
RGB	235, 247, 234
RGB Percent	92%, 97%, 92%
CMY	0.0787, 0.0313, 0.0824
CMYK	0.05, 0.00, 0.05, 0.03
HSL	116°, 45%, 94%
HSV	116°, 5%, 97%
XYZ	82.3549, 90.1242, 90.8880
YIQ	241.9300, -2.9790, -6.5870

Conversions

Conversions Part 2

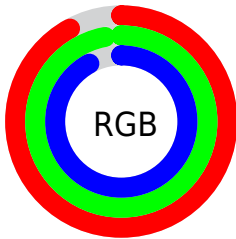
Format	Color
RYB	234, 247, 246
Decimal	15464426
CIELab	96.05, -6.29, 4.87
CIELCh	96, 7.961, 142.244
Yxy	90.1242, 0.3127, 0.3422
Android (android.graphics.Color)	4293654506 (0xFFEBF7EA)
YUV	241.9300, -3.9095, -6.0776
Hunter-Lab	94.9338, -11.2857, 9.6904

Details

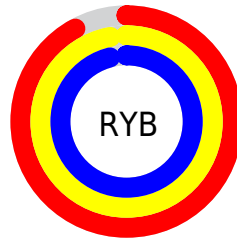
The Yxy color **90.1242, 0.3127, 0.3422** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.1645, 0.3127, 0.3161**, and the grayscale version is **88.7624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0597, 0.3127, 0.3459** is the 20% darker color. If you saturate the color by 10%, you get **85.1548, 0.3125, 0.3698**, and if you desaturate by 10%, it is **95.0173, 0.3131, 0.3214**.

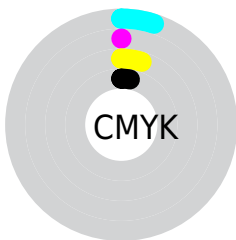
Distribution



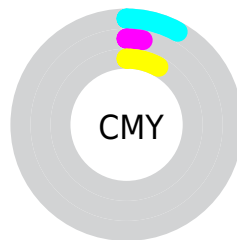
- Red (92%)
- Green (97%)
- Blue (92%)



- Red (92%)
- Yellow (97%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (8%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1242, 0.3127, 0.3422 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 90.1242, 0.3127, 0.3422 by changing the saturation by 10% instead.

 90.1242, 0.3127,
0.3422

 90.1242, 0.3127,
0.3422

528.4348, 0.3127,
0.3363

 68.0837, 0.3127,
0.3435

147.5109, 0.3127,
0.3402

 49.9658, 0.3127,
0.3451

183.6258, 0.3127,
0.3394

 35.3862, 0.3126,
0.3471


225.2011, 0.3127,
0.3387

 23.9605, 0.3126,
0.3497

272.6209, 0.3127,
0.3381

 15.3044, 0.3125,
0.3532

326.2698, 0.3127,
0.3376

 9.0333, 0.3124,
0.3580

386.5322, 0.3127,

 4.7629, 0.3122,

0.3371

453.7924, 0.3127,
0.3367

0.3652

■ 2.1088, 0.3116,
0.3771

■ 0.6696, 0.3134,
0.4346

■ 90.1242, 0.3127,
0.3422

■ 90.1242, 0.3127,
0.3422

■ 85.1548, 0.3125,
0.3698

■ 95.0173, 0.3131,
0.3214

■ 80.8547, 0.3122,
0.4007

■ 77.1987, 0.3115,
0.4343

■ 74.1558, 0.3105,
0.4696

■ 71.6924, 0.3092,
0.5048

■ 69.7715, 0.3075,
0.5375

■ 68.3520, 0.3056,
0.5649

■ 67.3869, 0.3036,
0.5848

■ 66.8199, 0.3018,
0.5961

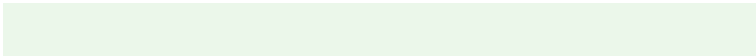
Harmonies

Analogous

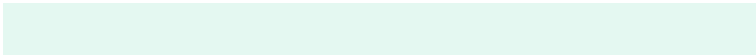
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1242, 0.3215, 0.3446



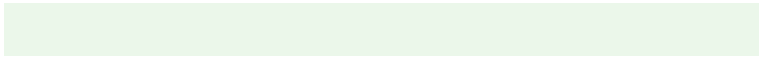
90.1242, 0.3127, 0.3422



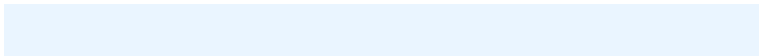
90.1242, 0.3040, 0.3361

Triad

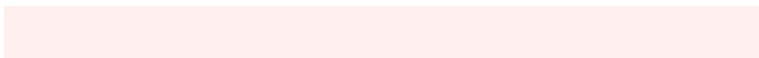
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1242, 0.3127, 0.3422



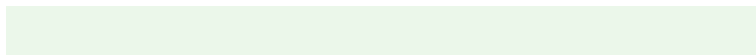
90.1242, 0.2977, 0.3153



90.1242, 0.3279, 0.3297

Complementary

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



90.1242, 0.3127, 0.3422



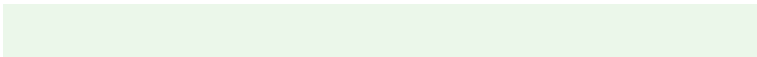
85.1645, 0.3127, 0.3161

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.



90.1242, 0.3214, 0.3221



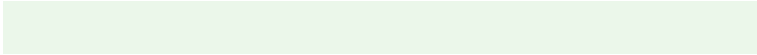
90.1242, 0.3127, 0.3422



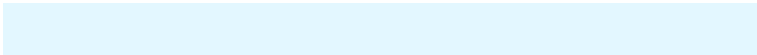
90.1242, 0.3039, 0.3138

Square

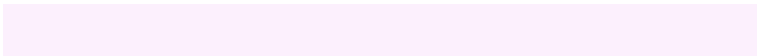
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



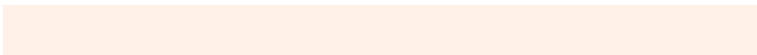
90.1242, 0.3127, 0.3422



90.1242, 0.2954, 0.3204



90.1242, 0.3126, 0.3163



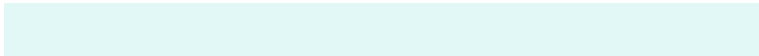
90.1242, 0.3303, 0.3372

Rectangle

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



90.1242, 0.3127, 0.3422



90.1242, 0.2995, 0.3308



90.1242, 0.3126, 0.3163



90.1242, 0.3261, 0.3270

Sweetspot

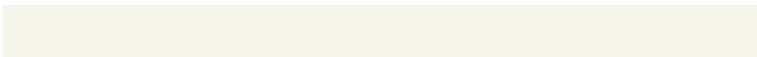
The Sweet Spot groups the original color and five complimentary colors.



90.1281, 0.3127, 0.3422



98.7896, 0.3127, 0.3339



91.5935, 0.3206, 0.3409



21.1577, 0.3127, 0.3337



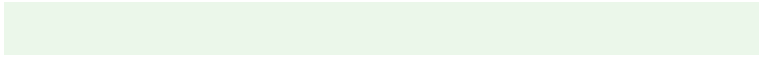
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

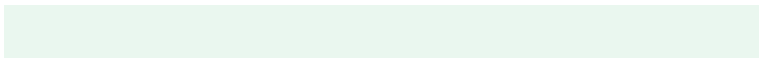
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1281, 0.3127, 0.3422



96.4603, 0.3127, 0.3441



90.2850, 0.3089, 0.3367



18.8364, 0.3127, 0.3458



35.2702, 0.3016, 0.5988



3.1195, 0.3054, 0.5957

Inverse Universe

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



85.1645, 0.3127, 0.3161



90.4143, 0.3127, 0.3143



85.0051, 0.3167, 0.3215



17.5334, 0.3127, 0.3127



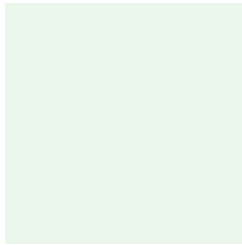
12.3990, 0.3028, 0.1442



1.1077, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 90.1242, 0.3127, 0.3422 looks on a white background.

Color Contrast Check

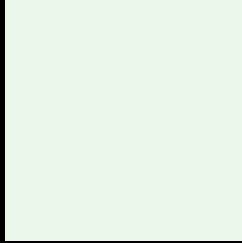
Large Text (above 18pt) WCAG AA × Fail

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 90.1242, 0.3127, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

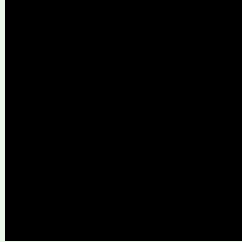
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

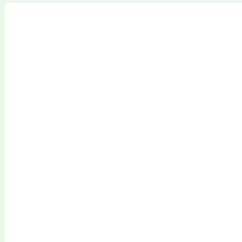
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1242, 0.3127, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 90.1242, 0.3127, 0.3422.

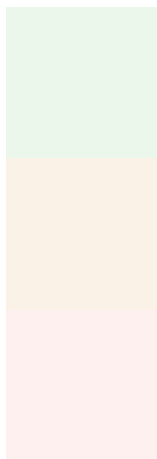


This preview shows how white text looks on a background with the Yxy color 90.1242, 0.3127, 0.3422.

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

90.1242, 0.3127, 0.3422

Protanopia

89.7830, 0.3254, 0.3399

Deuteranopia

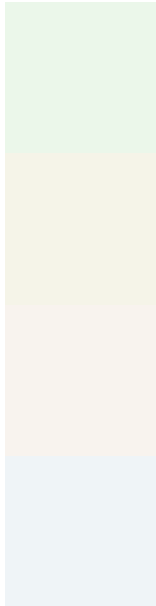
89.8714, 0.3226, 0.3290



Tritanopia

90.0220, 0.3043, 0.3172

Trichromacy



Original Color

90.1242, 0.3127, 0.3422

Protanomaly

89.9400, 0.3206, 0.3410

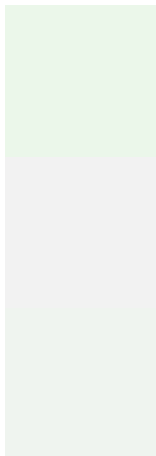
Deuteranomaly

90.2307, 0.3190, 0.3340

Tritanomaly

89.7675, 0.3077, 0.3260

Monochromacy



Original Color

90.1242, 0.3127, 0.3422

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.2841, 0.3125, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1242, 0.3127, 0.3422 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(235, 247, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 247, 234)  
}
```

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(235, 247, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 247, 234) }
```

Border

The CSS property to change the border of an element to Yxy 90.1242, 0.3127, 0.3422 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(235, 247, 234) }
```

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

```
.border{ border-color:rgb(235, 247, 234) }
```

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

Here you see how a box with a 4 pixel rgb(235, 247, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 247, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 247, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 247,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1242, 0.3127, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 247, 234) }
```

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

```
.background{ background-color: rgb(235,  
247, 234) }
```

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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