

Converting Colors

$Yxy(89.7785, 0.3147, 0.3444)$

Have a look what the booklet for
Yxy(89.7785, 0.3147, 0.3444)
contains.

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Color

Yxy(90.1239, 0.3152, 0.3452)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | ECF7E7 |
| RGB | 236, 247, 231 |
| RGB Percent | 93%, 97%, 91% |
| CMY | 0.0743, 0.0314, 0.0941 |
| CMYK | 0.04, 0.00, 0.06, 0.03 |
| HSL | 101°, 50%, 94% |
| HSV | 101°, 6%, 97% |
| XYZ | 82.2916, 90.1239, 88.6619 |
| YIQ | 241.8870, -1.4200, -7.3080 |

Conversions

Conversions Part 2

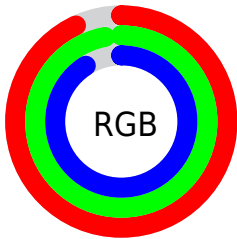
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 231, 247, 242 |
| Decimal | 15529959 |
| CIE Lab | 96.05, -6.42, 6.42 |
| CIE LCh | 96, 9.079, 134.961 |
| Yxy | 90.1239, 0.3152, 0.3452 |
| Android (android.graphics.Color) | 4293720039 (0xFFE7CF7E) |
| YUV | 241.8870, -5.3673, -5.1629 |
| Hunter-Lab | 94.9336, -11.4041, 11.0805 |

Details

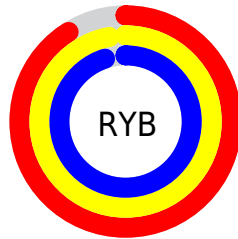
The Yxy color **90.1239, 0.3152, 0.3452** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7345, 0.3101, 0.3130**, and the grayscale version is **88.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0600, 0.3158, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **86.0730, 0.3189, 0.3725**, and if you desaturate by 10%, it is **94.6074, 0.3118, 0.3213**.

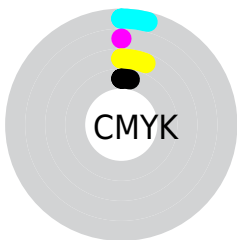
Distribution



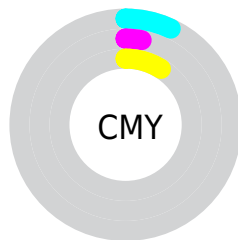
- Red (93%)
- Green (97%)
- Blue (91%)



- Red (91%)
- Yellow (97%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1239, 0.3152, 0.3452 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 90.1239, 0.3152, 0.3452 by changing the saturation by 10% instead.

 90.1239, 0.3152,
0.3452

 90.1239, 0.3152,
0.3452


528.4338, 0.3141,
0.3379

 68.0834, 0.3154,
0.3468


147.5105, 0.3148,
0.3427

 49.9656, 0.3157,
0.3488


183.6254, 0.3147,
0.3417

 35.3861, 0.3160,
0.3513


225.2005, 0.3146,
0.3409

 23.9604, 0.3164,
0.3545

272.6203, 0.3145,
0.3401

 15.3043, 0.3170,
0.3587

326.2691, 0.3144,
0.3395

 9.0332, 0.3177,
0.3646

386.5314, 0.3143,

 4.7628, 0.3186,

0.3389

0.3735

453.7915, 0.3142,
0.3384

■ 2.1088, 0.3200,
0.3883

■ 0.6696, 0.3357,
0.4685

■ 90.1239, 0.3152,
0.3452

■ 90.1239, 0.3152,
0.3452

■ 86.0730, 0.3189,
0.3725

■ 94.6074, 0.3118,
0.3213

■ 82.4727, 0.3223,
0.4022

■ 94.9947, 0.3131,
0.3214

■ 79.3103, 0.3252,
0.4339

■ 76.5680, 0.3272,
0.4665

■ 74.2267, 0.3280,
0.4987

■ 72.2660, 0.3273,
0.5284

■ 70.6629, 0.3250,
0.5537

■ 69.3919, 0.3212,
0.5730

■ 68.4225, 0.3162,
0.5853

Harmonies

Analogous

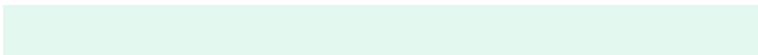
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1239, 0.3248, 0.3468



90.1239, 0.3152, 0.3452



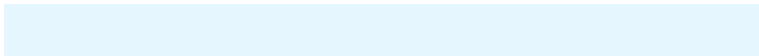
90.1239, 0.3051, 0.3391

Triad

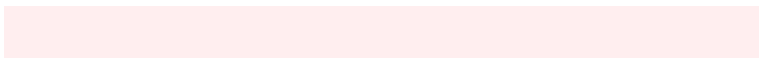
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1239, 0.3152, 0.3452



90.1239, 0.2945, 0.3144



90.1239, 0.3286, 0.3276

Complementary

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



90.1239, 0.3152, 0.3452



82.7345, 0.3101, 0.3130

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.



90.1239, 0.3203, 0.3193



90.1239, 0.3152, 0.3452



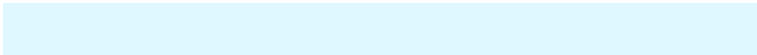
90.1239, 0.3006, 0.3117

Square

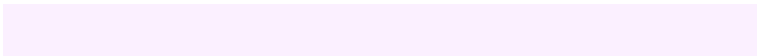
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



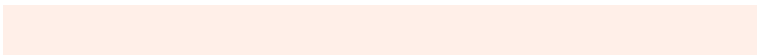
90.1239, 0.3152, 0.3452



90.1239, 0.2932, 0.3211



90.1239, 0.3100, 0.3135



90.1239, 0.3326, 0.3364

Rectangle

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



90.1239, 0.3152, 0.3452



90.1239, 0.2993, 0.3333



90.1239, 0.3100, 0.3135



90.1239, 0.3262, 0.3246

Sweetspot

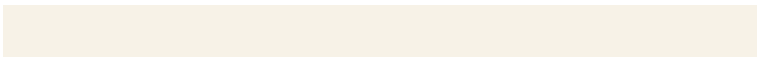
The Sweet Spot groups the original color and five complimentary colors.



90.1278, 0.3152, 0.3452



99.0205, 0.3135, 0.3339



89.0029, 0.3227, 0.3399



21.2048, 0.3134, 0.3336



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.



90.1278, 0.3152, 0.3452



96.2051, 0.3158, 0.3492



89.4412, 0.3102, 0.3423



18.7263, 0.3163, 0.3531



36.1073, 0.3155, 0.5877



3.2261, 0.3248, 0.5803

Inverse Universe

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



82.7345, 0.3101, 0.3130



86.4645, 0.3094, 0.3091



83.4618, 0.3153, 0.3160



16.4901, 0.3087, 0.3053



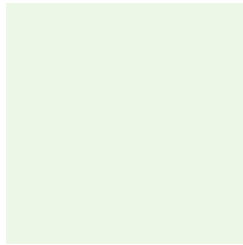
8.0842, 0.2423, 0.1109



0.7652, 0.2524, 0.1164

Previews

White Background



This preview shows how the Yxy color 90.1239, 0.3152, 0.3452 looks on a white background.

Color Contrast Check

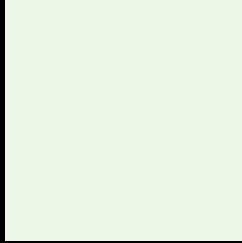
Large Text (above 18pt) WCAG AA × Fail

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 90.1239, 0.3152, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

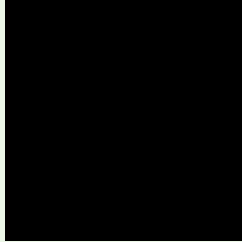
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

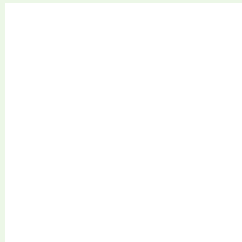
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1239, 0.3152, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 90.1239, 0.3152, 0.3452.

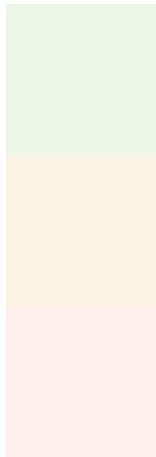


This preview shows how white text looks on a background with the Yxy color 90.1239, 0.3152, 0.3452.

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

90.1239, 0.3152, 0.3452

Protanopia

89.6706, 0.3267, 0.3419

Deuteranopia

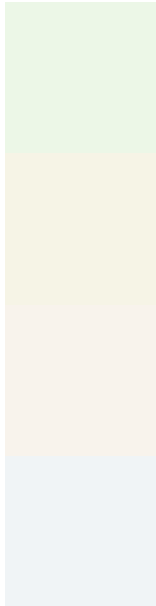
89.8122, 0.3233, 0.3300



Tritanopia

90.1984, 0.3050, 0.3172

Trichromacy



Original Color

90.1239, 0.3152, 0.3452

Protanomaly

90.0074, 0.3225, 0.3430

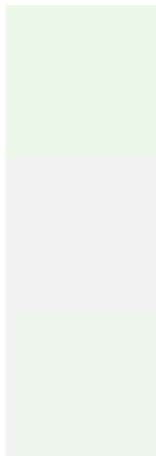
Deuteranomaly

90.1138, 0.3202, 0.3359

Tritanomaly

89.8805, 0.3090, 0.3270

Monochromacy



Original Color

90.1239, 0.3152, 0.3452

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.3997, 0.3137, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1239, 0.3152, 0.3452 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(236, 247, 231)` looks like.

```
.text, #text, p{  
    color:rgb(236, 247, 231)  
}
```

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(236, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 247, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.1239, 0.3152, 0.3452 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(236, 247, 231) }
```

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

```
.border{ border-color:rgb(236, 247, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 247, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(236, 247,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1239, 0.3152, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 247, 231) }
```

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

```
.background{ background-color: rgb(236,  
247, 231) }
```

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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