

Converting Colors

$Yxy(86.3055, 0.3151, 0.3433)$

Have a look what the booklet for
Yxy(86.3055, 0.3151, 0.3433)
contains.

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Color

Yxy(86.4293, 0.3153, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	E9F2E4
RGB	233, 242, 228
RGB Percent	91%, 95%, 89%
CMY	0.0863, 0.0509, 0.1059
CMYK	0.04, 0.00, 0.06, 0.05
HSL	99°, 35%, 92%
HSV	99°, 6%, 95%
XYZ	79.3569, 86.4293, 85.9008
YIQ	237.7130, -0.8700, -6.2620

Conversions

Conversions Part 2

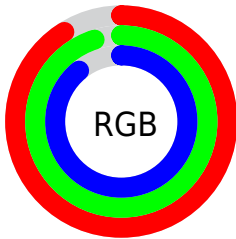
Format	Color
R _Y B	228, 242, 237
Decimal	15332068
CIE Lab	94.50, -5.46, 5.71
CIE LCh	94, 7.896, 133.720
Yxy	86.4293, 0.3153, 0.3434
Android (android.graphics.Color)	4293522148 (0xFFE9F2E4)
YUV	237.7130, -4.7885, -4.1333
Hunter-Lab	92.9674, -10.3254, 10.2939

Details

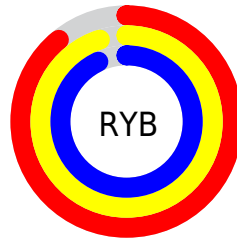
The Yxy color **86.4293, 0.3153, 0.3434** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9097, 0.3100, 0.3147**, and the grayscale version is **85.3058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4821, 0.3153, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **82.6727, 0.3197, 0.3703**, and if you desaturate by 10%, it is **90.6133, 0.3108, 0.3191**.

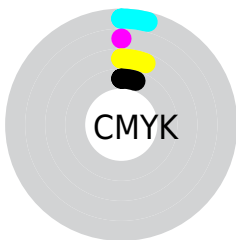
Distribution



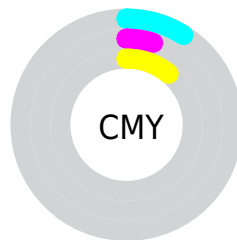
- Red (91%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4293, 0.3153, 0.3434 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 86.4293, 0.3153, 0.3434 by changing the saturation by 10% instead.

86.4293, 0.3153,
0.3434

86.4293, 0.3153,
0.3434

516.3457, 0.3142,
0.3369

65.0230, 0.3155,
0.3449

142.3684, 0.3149,
0.3412

47.4798, 0.3158,
0.3466

177.6700, 0.3148,
0.3403

33.4151, 0.3162,
0.3489

218.3722, 0.3146,
0.3395

22.4446, 0.3167,
0.3518

264.8594, 0.3145,
0.3389

14.1840, 0.3173,
0.3557

317.5160, 0.3144,
0.3383

8.2487, 0.3181,
0.3611

376.7263, 0.3143,

4.2545, 0.3192,

0.3378

0.3694

442.8747, 0.3142,
0.3373

■ 1.8169, 0.3209,
0.3834

■ 0.4977, 0.3466,
0.5076

■ 86.4293, 0.3153,
0.3434

■ 86.4293, 0.3153,
0.3434

■ 82.6727, 0.3197,
0.3703

■ 90.6133, 0.3108,
0.3191

■ 79.3186, 0.3238,
0.3997

■ 91.9898, 0.3133,
0.3166

■ 76.3562, 0.3273,
0.4308

■ 73.7700, 0.3299,
0.4629

■ 71.5435, 0.3313,
0.4945

■ 69.6587, 0.3312,
0.5239

■ 68.0958, 0.3292,
0.5492

■ 66.8324, 0.3256,
0.5687

■ 65.8424, 0.3205,
0.5815

Harmonies

Analogous

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



86.4293, 0.3237, 0.3446



86.4293, 0.3153, 0.3434



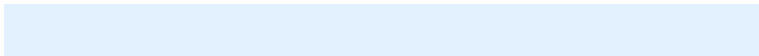
86.4293, 0.3063, 0.3382

Triad

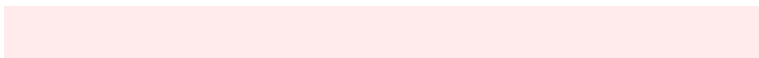
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4293, 0.3153, 0.3434



86.4293, 0.2965, 0.3163



86.4293, 0.3265, 0.3274

Complementary

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



86.4293, 0.3153, 0.3434



79.9097, 0.3100, 0.3147

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.



86.4293, 0.3190, 0.3201



86.4293, 0.3153, 0.3434



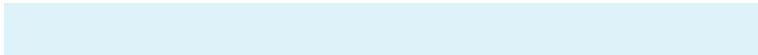
86.4293, 0.3017, 0.3137

Square

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



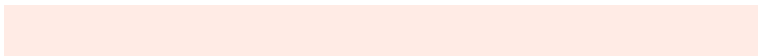
86.4293, 0.3153, 0.3434



86.4293, 0.2955, 0.3224



86.4293, 0.3099, 0.3151



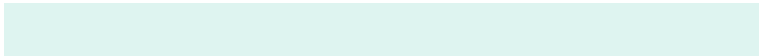
86.4293, 0.3302, 0.3352

Rectangle

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



86.4293, 0.3153, 0.3434



86.4293, 0.3012, 0.3331



86.4293, 0.3099, 0.3151



86.4293, 0.3243, 0.3248

Sweetspot

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



86.4330, 0.3153, 0.3434



99.0581, 0.3136, 0.3339



84.9761, 0.3217, 0.3380



21.2124, 0.3136, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

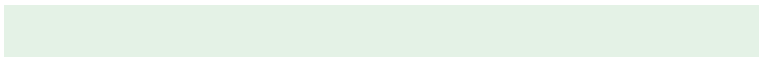
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4330, 0.3153, 0.3434



96.7872, 0.3158, 0.3466



85.7105, 0.3109, 0.3416



18.0839, 0.3161, 0.3480



35.2500, 0.3194, 0.5846



2.9864, 0.3295, 0.5766

Inverse Universe

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



79.9097, 0.3100, 0.3147



87.9506, 0.3094, 0.3116



80.6679, 0.3146, 0.3167



16.3040, 0.3091, 0.3102



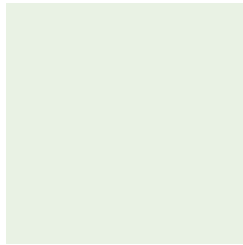
7.3148, 0.2332, 0.1058



0.6641, 0.2448, 0.1122

Previews

White Background



This preview shows how the Yxy color 86.4293, 0.3153, 0.3434 looks on a white background.

Color Contrast Check

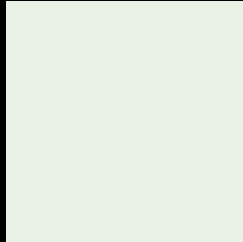
Large Text (above 18pt) WCAG AA × Fail

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 86.4293, 0.3153, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

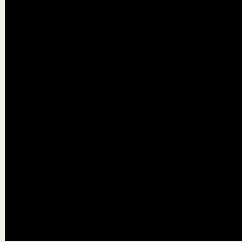
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

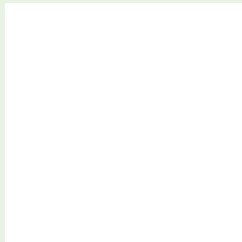
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4293, 0.3153, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 86.4293, 0.3153, 0.3434.

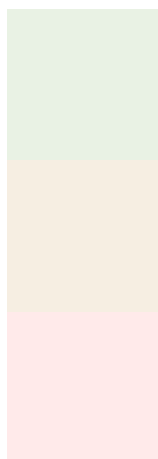


This preview shows how white text looks on a background with the Yxy color 86.4293, 0.3153, 0.3434.

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

86.4293, 0.3153, 0.3434

Protanopia

86.2329, 0.3256, 0.3411

Deuteranopia

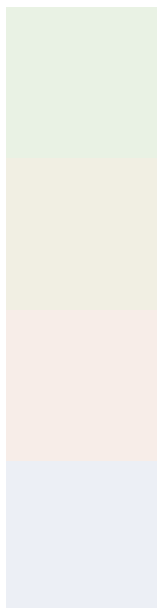
86.0462, 0.3270, 0.3290



Tritanopia

86.5462, 0.3025, 0.3121

Trichromacy



Original Color

86.4293, 0.3153, 0.3434

Protanomaly

85.9798, 0.3215, 0.3412

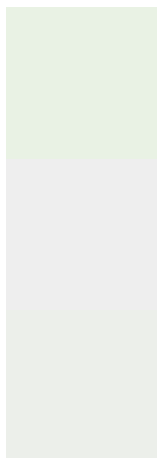
Deuteranomaly

86.1687, 0.3226, 0.3340

Tritanomaly

86.1584, 0.3071, 0.3229

Monochromacy



Original Color

86.4293, 0.3153, 0.3434

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5064, 0.3138, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4293, 0.3153, 0.3434 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(233, 242, 228)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 228)  
}
```

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(233, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.4293, 0.3153, 0.3434 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(233, 242, 228) }
```

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

```
.border{ border-color:rgb(233, 242, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 242, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4293, 0.3153, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 228) }
```

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

```
.background{ background-color: rgb(233,  
242, 228) }
```

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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