

Converting Colors

Yxy(81.0742, 0.3059, 0.3290)

Have a look what the booklet for
Yxy(81.0742, 0.3059, 0.3290)
contains.

Yxy(81.2621, 0.3054, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.2621, 0.3054, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E0EBEB
RGB	224, 235, 235
RGB Percent	88%, 92%, 92%
CMY	0.1217, 0.0784, 0.0784
CMYK	0.05, 0.00, 0.00, 0.08
HSL	180°, 22%, 90%
HSV	180°, 5%, 92%
XYZ	75.4330, 81.2621, 90.3022
YIQ	231.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

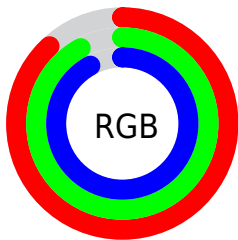
Format	Color
R _Y B	224, 230, 235
Decimal	14740459
CIE Lab	92.25, -3.66, -1.27
CIE LCh	92, 3.876, 199.157
Yxy	81.2621, 0.3054, 0.3290
Android (android.graphics.Color)	4292930539 (0xFFE0EBEB)
YUV	231.7110, 1.6215, -6.7625
Hunter-Lab	90.1455, -8.3874, 3.7088

Details

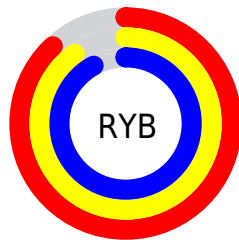
The Yxy color $81.2621, 0.3054, 0.3290$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $76.3336, 0.3205, 0.3290$, and the grayscale version is $80.4572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.9299, 0.3042, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $77.7645, 0.2904, 0.3290$, and if you desaturate by 10%, it is $85.2856, 0.3211, 0.3290$.

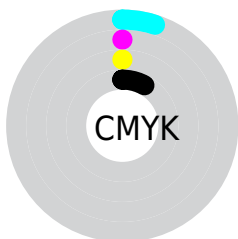
Distribution



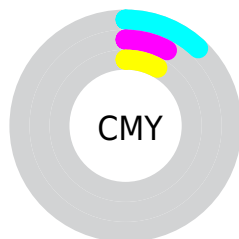
- Red (88%)
- Green (92%)
- Blue (92%)



- Red (88%)
- Yellow (90%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (12%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2621, 0.3054, 0.3290 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 81.2621, 0.3054, 0.3290 by changing the saturation by 10% instead.

■ 81.2621, 0.3054,
0.3290

■ 81.2621, 0.3054,
0.3290

499.1761, 0.3087,
0.3290

■ 60.7575, 0.3047,
0.3290

135.1387, 0.3065,
0.3290

■ 44.0295, 0.3037,
0.3290

169.2795, 0.3070,
0.3290

■ 30.6937, 0.3026,
0.3290

208.7345, 0.3074,
0.3290

■ 20.3657, 0.3011,
0.3290

253.8881, 0.3077,
0.3290

■ 12.6612, 0.2992,
0.3289

305.1246, 0.3080,
0.3290

■ 7.1956, 0.2964,
0.3289

362.8286, 0.3083,

■ 3.5848, 0.2921,

0.3290

427.3842, 0.3085,
0.3290

0.3288

■ 1.4441, 0.2849,
0.3286

■ 0.2489, 0.1947,
0.3292

■ 81.2621, 0.3054,
0.3290

■ 81.2621, 0.3054,
0.3290

■ 77.7645, 0.2904,
0.3290

■ 85.2856, 0.3211,
0.3290

■ 74.7611, 0.2765,
0.3290

■ 86.6910, 0.3262,
0.3290

■ 72.2330, 0.2638,
0.3291


■ 86.6938, 0.3262,
0.3289


■ 70.1558, 0.2527,
0.3291


■ 86.6966, 0.3261,
0.3289


 68.5028, 0.2435,
0.3291

 86.6994, 0.3261,
0.3288


 67.2449, 0.2361,
0.3292


 86.7023, 0.3261,
0.3288


 66.3489, 0.2307,
0.3292

 86.7051, 0.3260,
0.3287

 65.7767, 0.2272,
0.3293

 86.7079, 0.3260,
0.3287

 65.4813, 0.2253,
0.3293

 86.7108, 0.3260,
0.3286

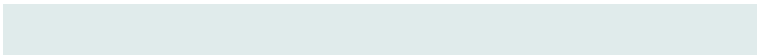
Harmonies

Analogous

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



81.2621, 0.3088, 0.3329



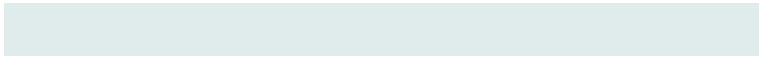
81.2621, 0.3054, 0.3290



81.2621, 0.3040, 0.3251

Triad

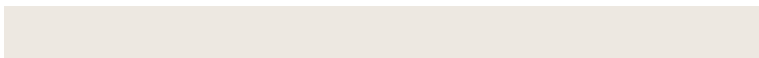
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2621, 0.3054, 0.3290



81.2621, 0.3122, 0.3223



81.2621, 0.3206, 0.3357

Complementary

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



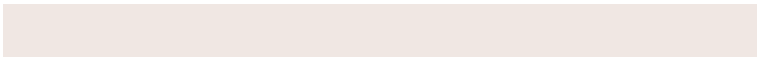
81.2621, 0.3054, 0.3290



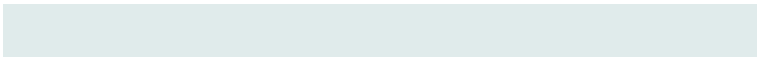
76.3336, 0.3205, 0.3290

Split Complementary

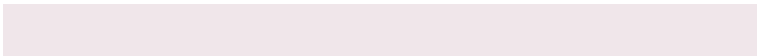
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2621, 0.3215, 0.3329



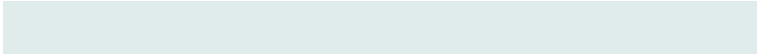
81.2621, 0.3054, 0.3290



81.2621, 0.3167, 0.3251

Square

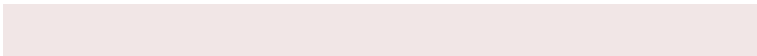
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2621, 0.3054, 0.3290



81.2621, 0.3079, 0.3213



81.2621, 0.3201, 0.3290



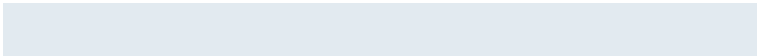
81.2621, 0.3176, 0.3368

Rectangle

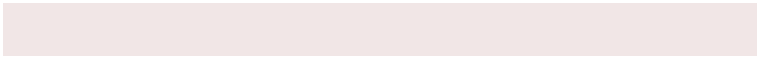
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



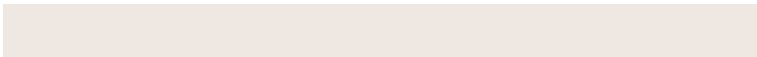
81.2621, 0.3054, 0.3290



81.2621, 0.3043, 0.3230



81.2621, 0.3201, 0.3290



81.2621, 0.3212, 0.3349

Sweetspot

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



81.2656, 0.3054, 0.3290



99.5192, 0.3111, 0.3290



80.6765, 0.3123, 0.3407



21.3063, 0.3112, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

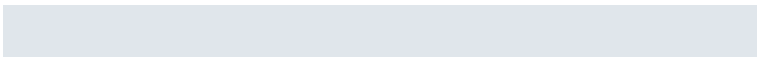
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2656, 0.3054, 0.3290



97.2108, 0.3034, 0.3290



78.2506, 0.3055, 0.3233



17.3405, 0.3025, 0.3290



36.3909, 0.2248, 0.3294



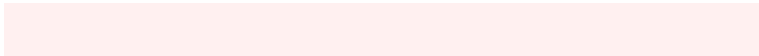
2.8577, 0.2248, 0.3293

Inverse Universe

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



76.3336, 0.3205, 0.3290



89.6790, 0.3228, 0.3290



79.2512, 0.3201, 0.3346



15.8654, 0.3239, 0.3290



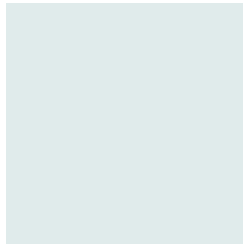
9.8306, 0.6398, 0.3298



0.7721, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 81.2621, 0.3054, 0.3290 looks on a white background.

Color Contrast Check

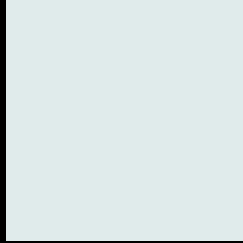
Large Text (above 18pt) WCAG AA × Fail

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 81.2621, 0.3054, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

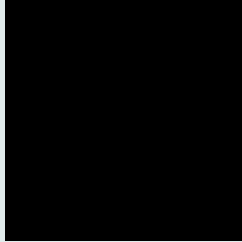
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

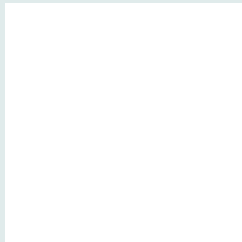
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2621, 0.3054, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 81.2621, 0.3054, 0.3290.

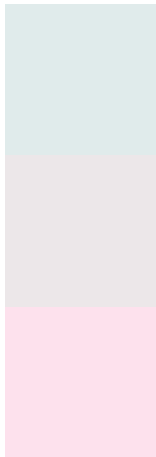


This preview shows how white text looks on a background with the Yxy color 81.2621, 0.3054, 0.3290.

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

81.2621, 0.3054, 0.3290

Protanopia

80.8679, 0.3149, 0.3270

Deuteranopia

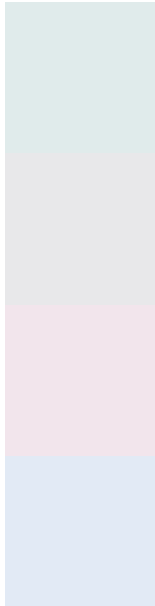
80.8475, 0.3245, 0.3171



Tritanopia

81.5738, 0.2978, 0.3105

Trichromacy



Original Color

81.2621, 0.3054, 0.3290

Protanomaly

80.8095, 0.3115, 0.3269

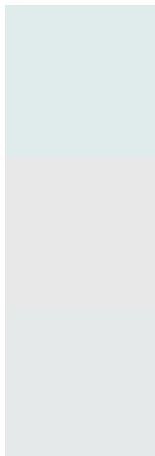
Deuteranomaly

80.9720, 0.3172, 0.3219

Tritanomaly

81.6070, 0.3007, 0.3176

Monochromacy



Original Color

81.2621, 0.3054, 0.3290

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8190, 0.3100, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2621, 0.3054, 0.3290 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, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(224, 235, 235)  
}
```

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, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 235, 235) }
```

Border

The CSS property to change the border of an element to Yxy 81.2621, 0.3054, 0.3290 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, 235, 235) }
```

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

```
.border{ border-color:rgb(224, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 235,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2621, 0.3054, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 235, 235) }
```

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

```
.background{ background-color: rgb(224,  
235, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor