

Converting Colors

$Yxy(84.7204, 0.3030, 0.3367)$

Have a look what the booklet for
Yxy(84.7204, 0.3030, 0.3367)
contains.

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Color

Yxy(84.7181, 0.3027, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	DCF2EB
RGB	220, 242, 235
RGB Percent	86%, 95%, 92%
CMY	0.1374, 0.0509, 0.0784
CMYK	0.09, 0.00, 0.03, 0.05
HSL	161°, 46%, 91%
HSV	161°, 9%, 95%
XYZ	76.2538, 84.7181, 90.9403
YIQ	234.6240, -10.8650, -6.8410

Conversions

Conversions Part 2

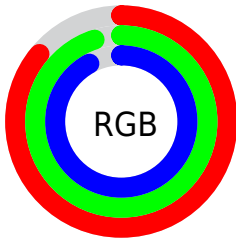
Format	Color
R_{YB}	220, 233, 242
Decimal	14480107
CIE _{Lab}	93.76, -8.51, 0.90
CIE _{LCh}	94, 8.558, 173.994
Y _{xy}	84.7181, 0.3027, 0.3363
Android (android.graphics.Color)	4292670187 (0xFFDCF2EB)
YUV	234.6240, 0.1854, -12.8252
Hunter-Lab	92.0424, -13.1934, 5.8496

Details

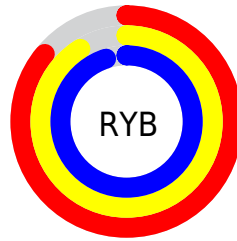
The Yxy color **84.7181, 0.3027, 0.3363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5869, 0.3239, 0.3218**, and the grayscale version is **82.7794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3718, 0.3008, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **80.7812, 0.2921, 0.3451**, and if you desaturate by 10%, it is **89.2279, 0.3137, 0.3283**.

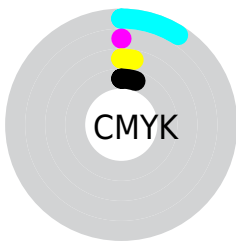
Distribution



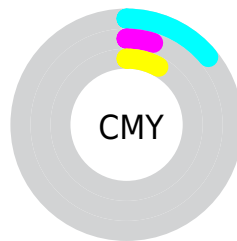
- Red (86%)
- Green (95%)
- Blue (92%)



- Red (86%)
- Yellow (91%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (14%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7181, 0.3027, 0.3363 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 84.7181, 0.3027, 0.3363 by changing the saturation by 10% instead.


 84.7181, 0.3027,
0.3363

 84.7181, 0.3027,
0.3363


510.6948, 0.3072,
0.3330

 63.6085, 0.3017,
0.3370


139.9793, 0.3042,
0.3352

 46.3336, 0.3005,
0.3379


174.8996, 0.3049,
0.3347

 32.5092, 0.2989,
0.3391


215.1923, 0.3054,
0.3343

 21.7507, 0.2969,
0.3405

261.2417, 0.3058,
0.3340

 13.6738, 0.2943,
0.3425

313.4323, 0.3062,
0.3337

 7.8942, 0.2906,
0.3452

372.1484, 0.3066,

 4.0273, 0.2850,

0.3335

0.3493

437.7744, 0.3069,
0.3332

■ 1.6888, 0.2756,
0.3563

■ 0.4164, 0.1889,
0.4184

■ 84.7181, 0.3027,
0.3363

■ 84.7181, 0.3027,
0.3363

■ 80.7812, 0.2921,
0.3451

■ 89.2279, 0.3137,
0.3283

■ 77.3830, 0.2822,
0.3548

■ 91.6998, 0.3161,
0.3210

■ 74.5015, 0.2733,
0.3653

■ 91.9940, 0.3133,
0.3166

■ 72.1095, 0.2656,
0.3765

■ 70.1770, 0.2596,
0.3882

■ 68.6706, 0.2554,
0.4003

■ 67.5524, 0.2533,
0.4126

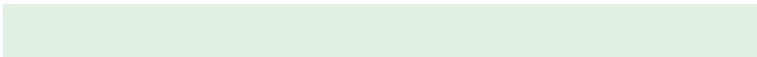
■ 66.7772, 0.2531,
0.4248

■ 66.2768, 0.2548,
0.4369

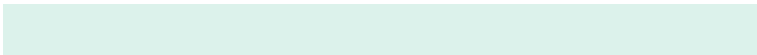
Harmonies

Analogous

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



84.7181, 0.3121, 0.3432



84.7181, 0.3027, 0.3363



84.7181, 0.2960, 0.3274

Triad

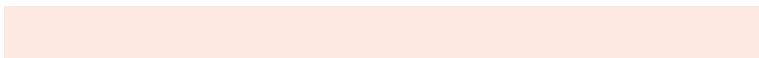
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7181, 0.3027, 0.3363



84.7181, 0.3035, 0.3124



84.7181, 0.3320, 0.3384

Complementary

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



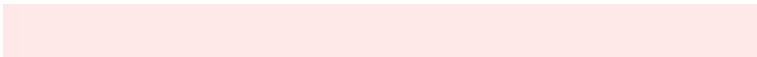
84.7181, 0.3027, 0.3363



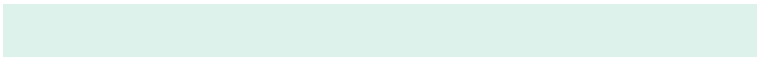
75.5869, 0.3239, 0.3218

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.



84.7181, 0.3297, 0.3302



84.7181, 0.3027, 0.3363



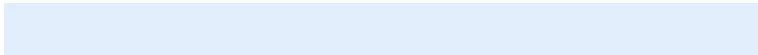
84.7181, 0.3131, 0.3154

Square

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



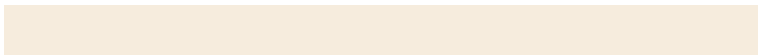
84.7181, 0.3027, 0.3363



84.7181, 0.2965, 0.3137



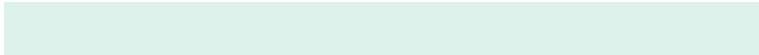
84.7181, 0.3227, 0.3218



84.7181, 0.3291, 0.3443

Rectangle

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



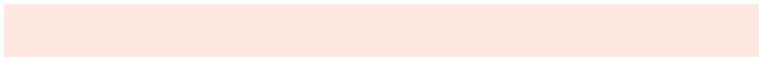
84.7181, 0.3027, 0.3363



84.7181, 0.2940, 0.3217



84.7181, 0.3227, 0.3218



84.7181, 0.3318, 0.3359

Sweetspot

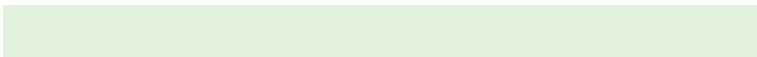
The Sweet Spot groups the original color and five complimentary colors.



84.7217, 0.3027, 0.3363



98.4225, 0.3094, 0.3313



85.0601, 0.3164, 0.3521



20.9784, 0.3085, 0.3320



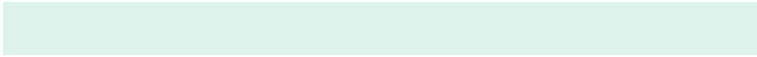
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.7217, 0.3027, 0.3363



94.5026, 0.3006, 0.3379



82.9674, 0.2986, 0.3251



17.8386, 0.3023, 0.3366



35.6041, 0.2544, 0.4359



2.9799, 0.2500, 0.4201

Inverse Universe

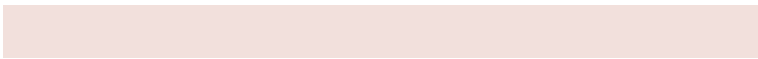
The Inverse Universe completely reimagines the original color for something new.



75.5869, 0.3239, 0.3218



82.2184, 0.3265, 0.3203



77.1590, 0.3283, 0.3328



15.8415, 0.3243, 0.3215



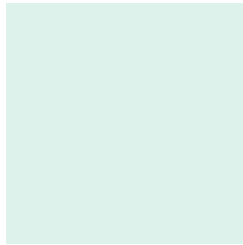
10.4493, 0.5699, 0.2913



0.8867, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 84.7181, 0.3027, 0.3363 looks on a white background.

Color Contrast Check

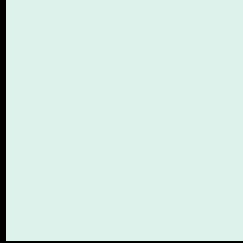
Large Text (above 18pt) WCAG AA × Fail

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 84.7181, 0.3027, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

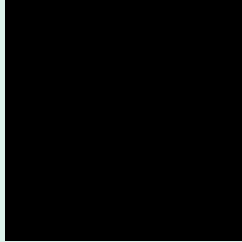
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

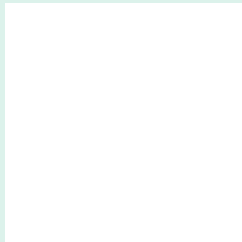
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7181, 0.3027, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 84.7181, 0.3027, 0.3363.

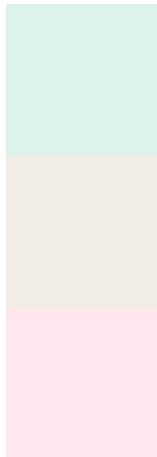


This preview shows how white text looks on a background with the Yxy color 84.7181, 0.3027, 0.3363.

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

84.7181, 0.3027, 0.3363

Protanopia

84.6377, 0.3199, 0.3341

Deuteranopia

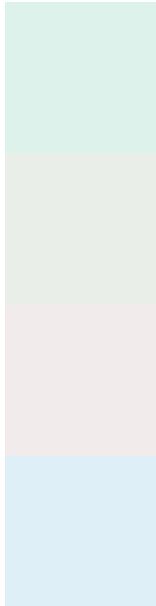
84.5263, 0.3253, 0.3231



Tritanopia

84.3766, 0.2943, 0.3116

Trichromacy



Original Color

84.7181, 0.3027, 0.3363

Protanomaly

84.4677, 0.3138, 0.3352

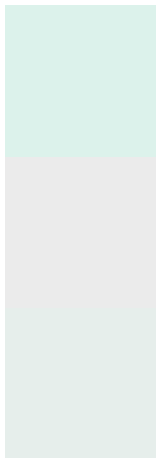
Deuteranomaly

84.3500, 0.3168, 0.3280

Tritanomaly

84.1983, 0.2971, 0.3197

Monochromacy



Original Color

84.7181, 0.3027, 0.3363

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9702, 0.3093, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7181, 0.3027, 0.3363 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(220, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(220, 242, 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(220, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 242, 235) }
```

Border

The CSS property to change the border of an element to Yxy 84.7181, 0.3027, 0.3363 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(220, 242, 235) }
```

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

```
.border{ border-color:rgb(220, 242, 235) }
```

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

Here you see how a box with a 4 pixel rgb(220, 242, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 242,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7181, 0.3027, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 242, 235) }
```

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

```
.background{ background-color: rgb(220,  
242, 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](#).

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