

Converting Colors

$Yxy(84.7760, 0.3022, 0.3352)$

Have a look what the booklet for
Yxy(84.7760, 0.3022, 0.3352)
contains.

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Color

Yxy(84.7760, 0.3022, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	DCF2EC
RGB	220, 242, 236
RGB Percent	86%, 95%, 93%
CMY	0.1369, 0.0511, 0.0744
CMYK	0.09, 0.00, 0.02, 0.05
HSL	164°, 46%, 91%
HSV	164°, 9%, 95%
XYZ	76.4299, 84.7760, 91.7058
YIQ	234.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

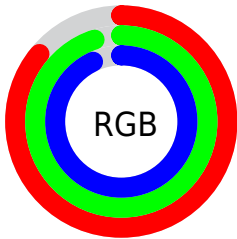
Format	Color
R _Y B	220, 233, 242
Decimal	14480108
CIE Lab	93.79, -8.26, 0.41
CIE LCh	94, 8.272, 177.148
Yxy	84.7760, 0.3022, 0.3352
Android (android.graphics.Color)	4292670188 (0xFFDC F2EC)
YUV	234.7380, 0.6222, -12.9252
Hunter-Lab	92.0739, -12.9576, 5.3988

Details

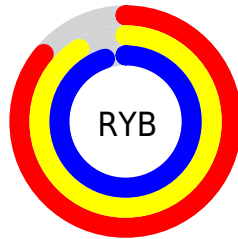
The Yxy color **84.7760, 0.3022, 0.3352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6020, 0.3244, 0.3229**, and the grayscale version is **82.8833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4124, 0.3001, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **80.8951, 0.2910, 0.3427**, and if you desaturate by 10%, it is **89.2248, 0.3138, 0.3284**.

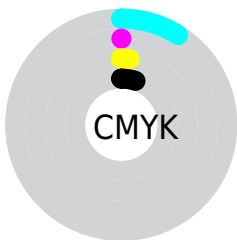
Distribution



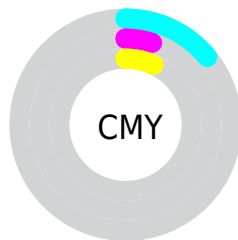
- Red (86%)
- Green (95%)
- Blue (93%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (14%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7760, 0.3022, 0.3352 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 84.7760, 0.3022, 0.3352 by changing the saturation by 10% instead.

84.7760, 0.3022,
0.3352

84.7760, 0.3022,
0.3352

510.8866, 0.3069,
0.3324

63.6563, 0.3011,
0.3358

140.0602, 0.3038,
0.3342

46.3724, 0.2999,
0.3366

174.9934, 0.3045,
0.3339

32.5398, 0.2982,
0.3375

215.3000, 0.3050,
0.3335

21.7741, 0.2962,
0.3388

261.3643, 0.3055,
0.3333

13.6910, 0.2934,
0.3404

313.5707, 0.3059,
0.3330

7.9061, 0.2895,
0.3427

372.3037, 0.3063,

4.0349, 0.2837,

0.3328

0.3461

437.9475, 0.3066,
0.3326

■ 1.6931, 0.2740,
0.3519

■ 0.4192, 0.1885,
0.4017

■ 84.7760, 0.3022,
0.3352

■ 84.7760, 0.3022,
0.3352

■ 80.8951, 0.2910,
0.3427

■ 89.2248, 0.3138,
0.3284


■ 77.5478, 0.2806,
0.3510


■ 91.6043, 0.3168,
0.3221


■ 74.7124, 0.2712,
0.3599

■ 91.9724, 0.3133,
0.3165


■ 72.3618, 0.2631,
0.3694

 70.4661, 0.2567,
0.3793

 68.9920, 0.2521,
0.3895

 67.9017, 0.2496,
0.3999

 67.1504, 0.2490,
0.4102

 66.6703, 0.2502,
0.4204

Harmonies

Analogous

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



84.7760, 0.3111, 0.3422



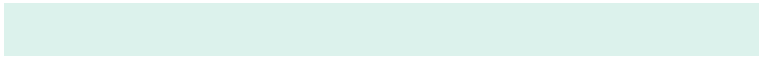
84.7760, 0.3022, 0.3352



84.7760, 0.2961, 0.3266

Triad

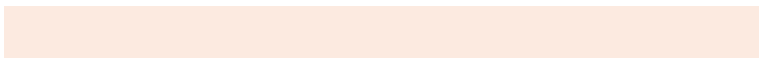
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7760, 0.3022, 0.3352



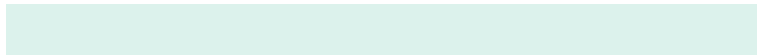
84.7760, 0.3047, 0.3131



84.7760, 0.3313, 0.3389

Complementary

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



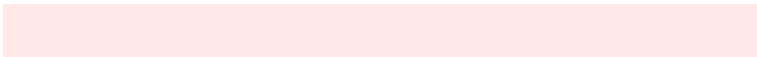
84.7760, 0.3022, 0.3352



75.6020, 0.3244, 0.3229

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.



84.7760, 0.3296, 0.3311



84.7760, 0.3022, 0.3352



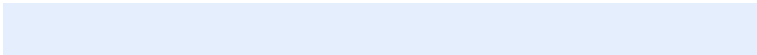
84.7760, 0.3141, 0.3163

Square

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



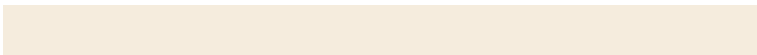
84.7760, 0.3022, 0.3352



84.7760, 0.2976, 0.3139



84.7760, 0.3232, 0.3229



84.7760, 0.3280, 0.3442

Rectangle

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



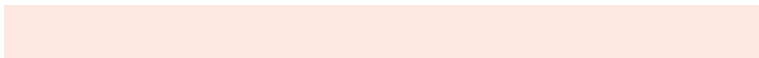
84.7760, 0.3022, 0.3352



84.7760, 0.2945, 0.3211



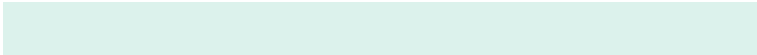
84.7760, 0.3232, 0.3229



84.7760, 0.3313, 0.3364

Sweetspot

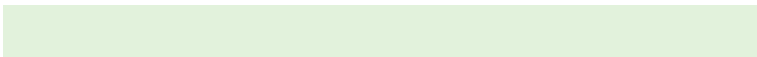
The Sweet Spot groups the original color and five complimentary colors.



84.7796, 0.3022, 0.3352



98.4444, 0.3092, 0.3310



84.8807, 0.3157, 0.3520



20.9843, 0.3083, 0.3315



0.0000, 0.0000, 0.0000



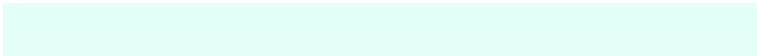
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7796, 0.3022, 0.3352



94.5805, 0.2999, 0.3366



82.3456, 0.2987, 0.3240



17.8512, 0.3017, 0.3355



35.8253, 0.2499, 0.4197



2.9969, 0.2462, 0.4062

Inverse Universe

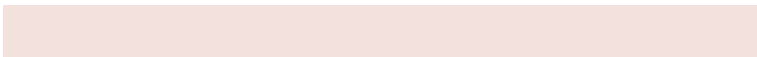
The Inverse Universe completely reimagines the original color for something new.



75.6020, 0.3244, 0.3229



82.1452, 0.3273, 0.3215



77.8066, 0.3280, 0.3339



15.8296, 0.3250, 0.3226



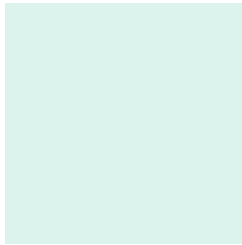
10.3713, 0.5857, 0.3000



0.8789, 0.5484, 0.2795

Previews

White Background



This preview shows how the Yxy color 84.7760, 0.3022, 0.3352 looks on a white background.

Color Contrast Check

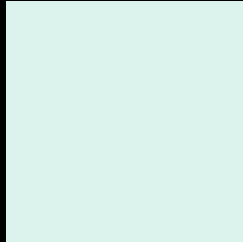
Large Text (above 18pt) WCAG AA × Fail

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 84.7760, 0.3022, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

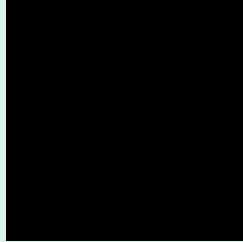
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

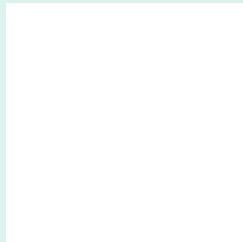
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7760, 0.3022, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 84.7760, 0.3022, 0.3352.

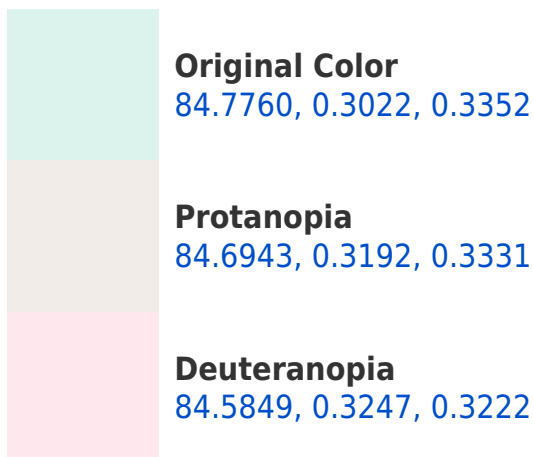


This preview shows how white text looks on a background with the Yxy color 84.7760, 0.3022, 0.3352.

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

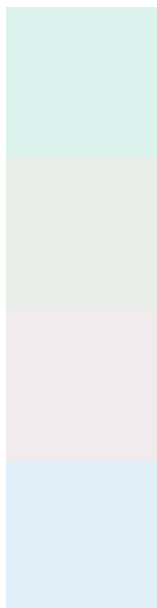




Tritanopia

84.5378, 0.2949, 0.3117

Trichromacy



Original Color

84.7760, 0.3022, 0.3352

Protanomaly

84.5247, 0.3131, 0.3341

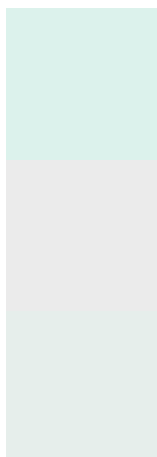
Deuteranomaly

84.4083, 0.3162, 0.3270

Tritanomaly

84.3576, 0.2977, 0.3197

Monochromacy



Original Color

84.7760, 0.3022, 0.3352

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 84.7760, 0.3022, 0.3352 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 242, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 84.7760, 0.3022, 0.3352 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, 236) }
```

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

```
.border{ border-color:rgb(220, 242, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7760, 0.3022, 0.3352 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, 236) }
```

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

```
.background{ background-color: rgb(220,  
242, 236) }
```

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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