

Converting Colors

Yxy(86.9726, 0.2915, 0.3294)

Have a look what the booklet for
Yxy(86.9726, 0.2915, 0.3294)
contains.

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Color

Yxy(87.1724, 0.2917, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D4F7F6
RGB	212, 247, 246
RGB Percent	83%, 97%, 96%
CMY	0.1684, 0.0314, 0.0354
CMYK	0.14, 0.00, 0.00, 0.03
HSL	178°, 69%, 90%
HSV	178°, 14%, 97%
XYZ	77.0551, 87.1724, 99.9313
YIQ	236.4210, -20.5390, -7.7310

Conversions

Conversions Part 2

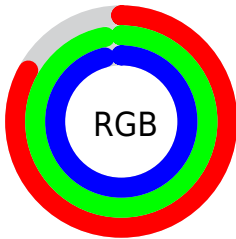
Format	Color
R _Y B	212, 230, 247
Decimal	13957110
CIE Lab	94.81, -11.42, -3.31
CIE LCh	95, 11.885, 196.159
Yxy	87.1724, 0.2917, 0.3300
Android (android.graphics.Color)	4292147190 (0xFFD4F7F6)
YUV	236.4210, 4.7224, -21.4172
Hunter-Lab	93.3662, -16.0747, 1.8973

Details

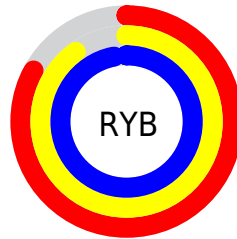
The Yxy color **87.1724, 0.2917, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6969, 0.3383, 0.3280**, and the grayscale version is **84.2033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1474, 0.2869, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.7362, 0.2780, 0.3308**, and if you desaturate by 10%, it is **91.1775, 0.3064, 0.3293**.

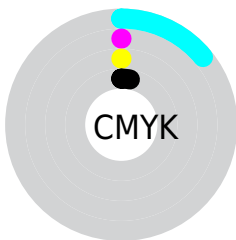
Distribution



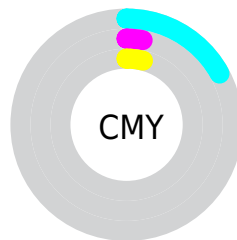
- Red (83%)
- Green (97%)
- Blue (96%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1724, 0.2917, 0.3300 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 87.1724, 0.2917, 0.3300 by changing the saturation by 10% instead.

 87.1724, 0.2917,
0.3300

 87.1724, 0.2917,
0.3300


518.7892, 0.3011,
0.3296

 65.6379, 0.2896,
0.3301

143.4044, 0.2949,
0.3299

 47.9785, 0.2871,
0.3301

178.8707, 0.2961,
0.3298

 33.8099, 0.2840,
0.3302


219.7497, 0.2972,
0.3298

 22.7476, 0.2800,
0.3303

266.4258, 0.2982,
0.3298

 14.4072, 0.2748,
0.3304

319.2834, 0.2990,
0.3297

 8.4044, 0.2675,
0.3304

378.7069, 0.2998,

 4.3548, 0.2568,

0.3297

0.3304

445.0807, 0.3005,
0.3297

■ 1.8740, 0.2395,
0.3299

■ 0.5326, 0.1448,
0.3390

■ 87.1724, 0.2917,
0.3300

■ 87.1724, 0.2917,
0.3300

■ 83.7362, 0.2780,
0.3308

■ 91.1775, 0.3064,
0.3293

■ 80.8327, 0.2655,
0.3316


■ 94.5194, 0.3176,
0.3286


■ 78.4381, 0.2545,
0.3325


■ 94.5641, 0.3172,
0.3279

■ 76.5226, 0.2453,
0.3335

■ 94.6090, 0.3167,
0.3272

 75.0532, 0.2380,
0.3344


 94.6541, 0.3163,
0.3265

 73.9930, 0.2327,
0.3354

 94.6993, 0.3159,
0.3258


 73.2990, 0.2293,
0.3363

 94.7448, 0.3154,
0.3251

 72.9186, 0.2276,
0.3373

 94.7904, 0.3150,
0.3245

 72.7964, 0.2272,
0.3378

 94.8361, 0.3146,
0.3238

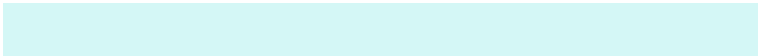
Harmonies

Analogous

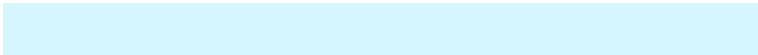
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1724, 0.3020, 0.3420



87.1724, 0.2917, 0.3300



87.1724, 0.2869, 0.3180

Triad

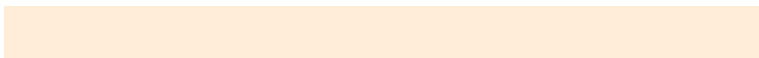
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1724, 0.2917, 0.3300



87.1724, 0.3096, 0.3088



87.1724, 0.3370, 0.3483

Complementary

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



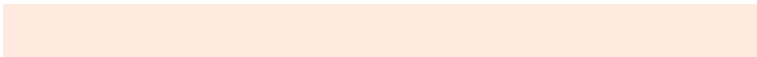
87.1724, 0.2917, 0.3300



71.6969, 0.3383, 0.3280

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.



87.1724, 0.3392, 0.3391



87.1724, 0.2917, 0.3300



87.1724, 0.3232, 0.3165

Square

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



87.1724, 0.2917, 0.3300



87.1724, 0.2971, 0.3062



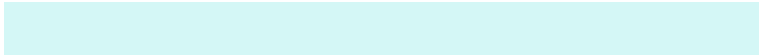
87.1724, 0.3341, 0.3275



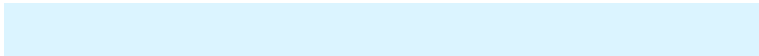
87.1724, 0.3282, 0.3526

Rectangle

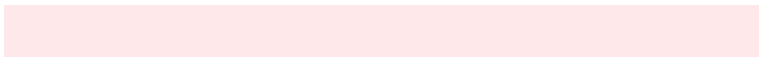
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



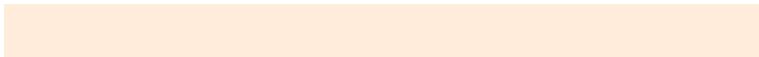
87.1724, 0.2917, 0.3300



87.1724, 0.2875, 0.3118



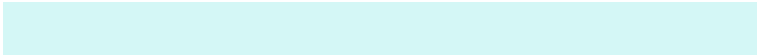
87.1724, 0.3341, 0.3275



87.1724, 0.3386, 0.3457

Sweetspot

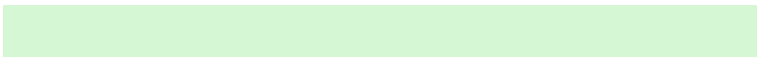
The Sweet Spot groups the original color and five complimentary colors.



87.1760, 0.2917, 0.3300



98.0973, 0.3066, 0.3293



85.4539, 0.3117, 0.3666



20.9227, 0.3055, 0.3293



0.0000, 0.0000, 0.0000



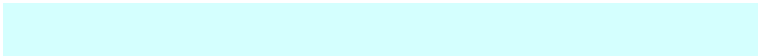
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1760, 0.2917, 0.3300



92.6038, 0.2876, 0.3302



77.6994, 0.2906, 0.3117



18.7490, 0.2985, 0.3297



38.5055, 0.2271, 0.3377



3.3868, 0.2268, 0.3365

Inverse Universe

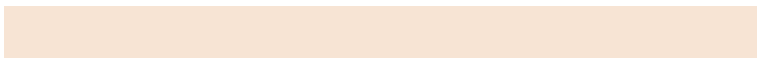
The Inverse Universe completely reimagines the original color for something new.



71.6969, 0.3383, 0.3280



72.9720, 0.3445, 0.3278



80.2154, 0.3366, 0.3458



16.4904, 0.3289, 0.3284



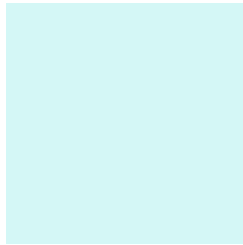
10.4698, 0.6370, 0.3283



0.9229, 0.6293, 0.3240

Previews

White Background



This preview shows how the Yxy color 87.1724, 0.2917, 0.3300 looks on a white background.

Color Contrast Check

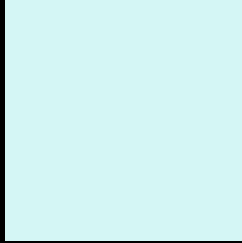
Large Text (above 18pt) WCAG AA × Fail

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 87.1724, 0.2917, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

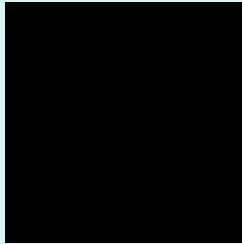
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

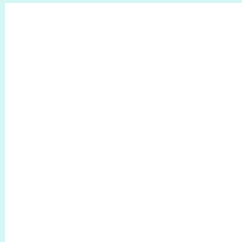
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1724, 0.2917, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.1724, 0.2917, 0.3300.

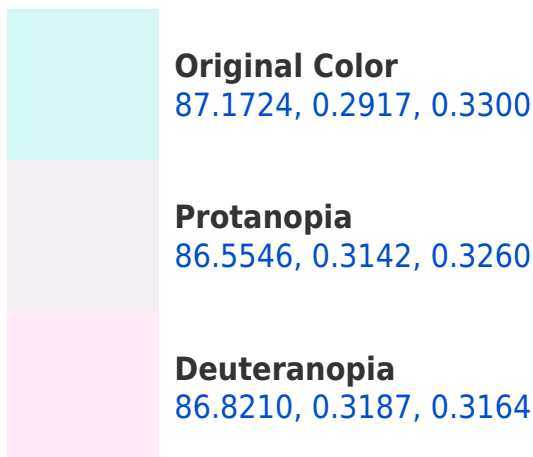


This preview shows how white text looks on a background with the Yxy color 87.1724, 0.2917, 0.3300.

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

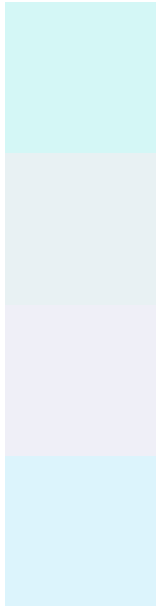




Tritanopia

87.3287, 0.2944, 0.3168

Trichromacy



Original Color

87.1724, 0.2917, 0.3300

Protanomaly

86.5375, 0.3057, 0.3269

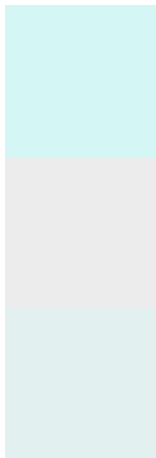
Deuteranomaly

86.7991, 0.3079, 0.3210

Tritanomaly

86.9453, 0.2930, 0.3207

Monochromacy



Original Color

87.1724, 0.2917, 0.3300

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.9423, 0.3043, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1724, 0.2917, 0.3300 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(212, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 246)  
}
```

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(212, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.1724, 0.2917, 0.3300 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(212, 247, 246) }
```

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

```
.border{ border-color:rgb(212, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1724, 0.2917, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 246) }
```

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

```
.background{ background-color: rgb(212,  
247, 246) }
```

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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