

Converting Colors

$Yxy(89.1210, 0.2797, 0.3385)$

Have a look what the booklet for
Yxy(89.1210, 0.2797, 0.3385)
contains.

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Color

Yxy(89.1210, 0.2797, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFF6
RGB	190, 255, 246
RGB Percent	75%, 100%, 96%
CMY	0.2547, 0.0000, 0.0352
CMYK	0.25, 0.00, 0.04, 0.00
HSL	172°, 100%, 87%
HSV	172°, 25%, 100%
XYZ	73.6400, 89.1210, 100.5211
YIQ	234.5390, -35.8510, -16.5790

Conversions

Conversions Part 2

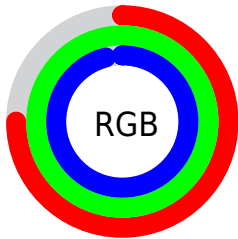
Format	Color
R_{YB}	190, 225, 255
Decimal	12517366
CIE _{Lab}	95.63, -21.94, -2.28
CIE _{LCh}	96, 22.058, 185.923
Yxy	89.1210, 0.2797, 0.3385
Android (android.graphics.Color)	4290707446 (0xFFBEFFF6)
YUV	234.5390, 5.6503, -39.0607
Hunter-Lab	94.4039, -25.9675, 2.9509

Details

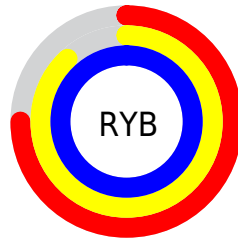
The Yxy color **89.1210, 0.2797, 0.3385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.2317, 0.3596, 0.3198**, and the grayscale version is **82.6956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **49.2568, 0.2725, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **85.9078, 0.2685, 0.3428**, and if you desaturate by 10%, it is **92.9200, 0.2921, 0.3345**.

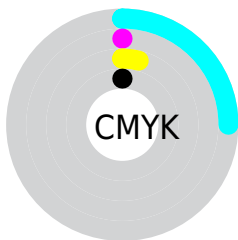
Distribution



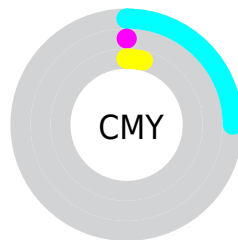
- Red (75%)
- Green (100%)
- Blue (96%)



- Red (75%)
- Yellow (88%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1210, 0.2797, 0.3385 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 89.1210, 0.2797, 0.3385 by changing the saturation by 10% instead.

 89.1210, 0.2797,
0.3385

 89.1210, 0.2797,
0.3385


525.1673, 0.2943,
0.3344

 67.2518, 0.2765,
0.3394

 146.1168, 0.2847,
0.3371

 49.2893, 0.2726,
0.3405

182.0123, 0.2866,
0.3366

 34.8490, 0.2678,
0.3418


223.3519, 0.2883,
0.3361

 23.5466, 0.2616,
0.3434

270.5202, 0.2898,
0.3357

 14.9976, 0.2536,
0.3455

323.9015, 0.2912,
0.3353

 8.8177, 0.2425,
0.3484

383.8802, 0.2923,

 4.6225, 0.2264,

0.3349

0.3523

450.8407, 0.2934,
0.3346

■ 2.0275, 0.2011,
0.3581

■ 0.6234, 0.0375,
0.4106

■ 89.1210, 0.2797,
0.3385

■ 89.1210, 0.2797,
0.3385

■ 85.9078, 0.2685,
0.3428

■ 92.9200, 0.2921,
0.3345

■ 83.2396, 0.2587,
0.3473

■ 97.3216, 0.3053,
0.3309

■ 81.0874, 0.2505,
0.3521

99.9964, 0.3127,
0.3290

■ 79.4150, 0.2442,
0.3569

■ 78.1816, 0.2399,
0.3618

■ 77.3396, 0.2376,
0.3668

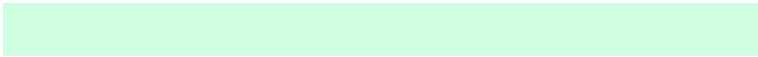
■ 76.8300, 0.2370,
0.3717

■ 76.6701, 0.2372,
0.3739

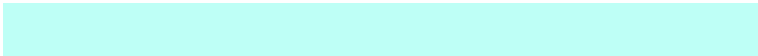
Harmonies

Analogous

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



89.1210, 0.3008, 0.3598



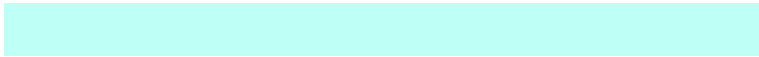
89.1210, 0.2797, 0.3385



89.1210, 0.2675, 0.3153

Triad

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



89.1210, 0.2797, 0.3385



89.1210, 0.2983, 0.2898



89.1210, 0.3606, 0.3589

Complementary

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



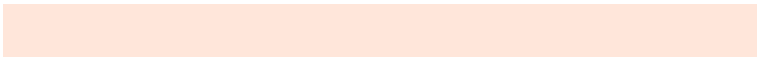
89.1210, 0.2797, 0.3385



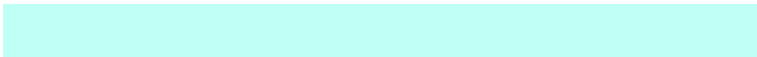
62.2317, 0.3596, 0.3198

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.



89.1210, 0.3602, 0.3397



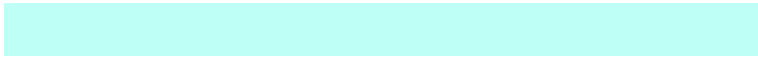
89.1210, 0.2797, 0.3385



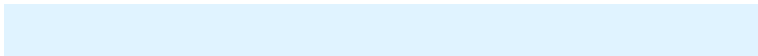
89.1210, 0.3234, 0.3009

Square

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



89.1210, 0.2797, 0.3385



89.1210, 0.2779, 0.2882



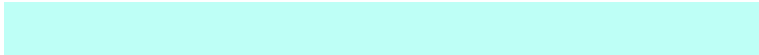
89.1210, 0.3463, 0.3188



89.1210, 0.3478, 0.3711

Rectangle

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



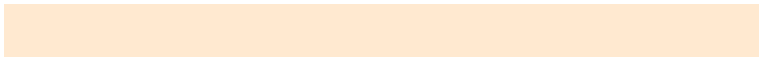
89.1210, 0.2797, 0.3385



89.1210, 0.2657, 0.3023



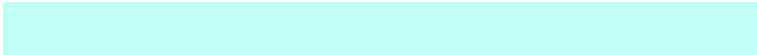
89.1210, 0.3463, 0.3188



89.1210, 0.3620, 0.3530

Sweetspot

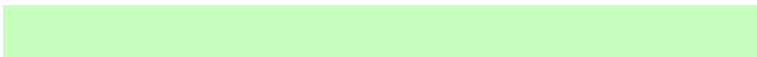
The Sweet Spot groups the original color and five complimentary colors.



89.1246, 0.2797, 0.3385



96.1538, 0.3019, 0.3318



87.4868, 0.3152, 0.4007



20.4357, 0.2999, 0.3323



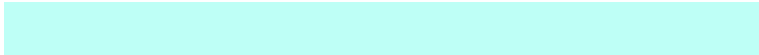
0.0000, 0.0000, 0.0000



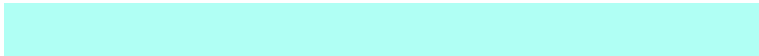
21.4041, 0.3127, 0.3290

Same Dimension

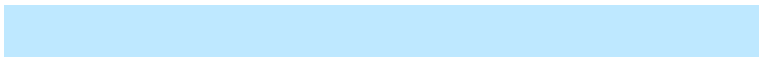
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1246, 0.2797, 0.3385



87.2803, 0.2733, 0.3408



76.0346, 0.2730, 0.3042



20.4357, 0.2999, 0.3323



40.0805, 0.2370, 0.3730



3.9139, 0.2354, 0.3675

Inverse Universe

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



62.2317, 0.3596, 0.3198



55.8737, 0.3737, 0.3177



72.4565, 0.3614, 0.3525



18.0280, 0.3273, 0.3257



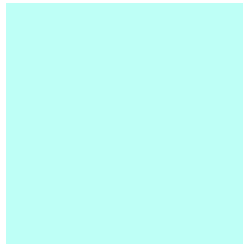
11.1854, 0.6222, 0.3201



1.1009, 0.5963, 0.3058

Previews

White Background



This preview shows how the Yxy color 89.1210, 0.2797, 0.3385 looks on a white background.

Color Contrast Check

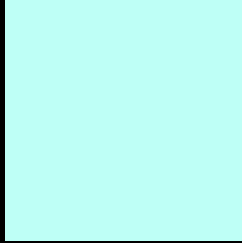
Large Text (above 18pt) WCAG AA × Fail

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 89.1210, 0.2797, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

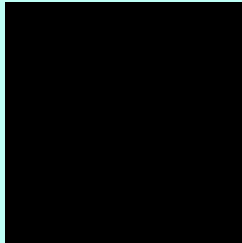
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

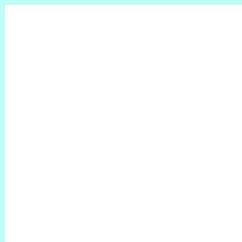
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1210, 0.2797, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 89.1210, 0.2797, 0.3385.

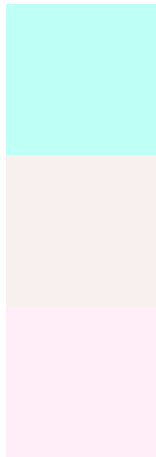


This preview shows how white text looks on a background with the Yxy color 89.1210, 0.2797, 0.3385.

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

89.1210, 0.2797, 0.3385

Protanopia

88.2674, 0.3186, 0.3310

Deuteranopia

88.6057, 0.3179, 0.3184



Tritanopia

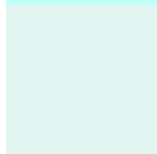
88.8195, 0.2932, 0.3198

Trichromacy



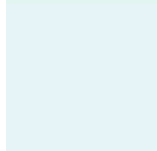
Original Color

89.1210, 0.2797, 0.3385



Protanomaly

87.8244, 0.3030, 0.3331



Deuteranomaly

88.4057, 0.3027, 0.3259



Tritanomaly

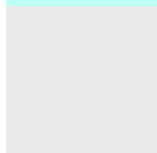
88.6285, 0.2879, 0.3258

Monochromacy



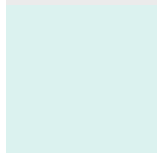
Original Color

89.1210, 0.2797, 0.3385



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7963, 0.2998, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1210, 0.2797, 0.3385 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(190, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 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(190, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 89.1210, 0.2797, 0.3385 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(190, 255, 246) }
```

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

```
.border{ border-color:rgb(190, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1210, 0.2797, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 246) }
```

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

```
.background{ background-color: rgb(190,  
255, 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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