

Converting Colors

$Yxy(77.5365, 0.2686, 0.3217)$

Have a look what the booklet for
Yxy(77.5365, 0.2686, 0.3217)
contains.

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Color

Yxy(77.7447, 0.2685, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	ACF0F6
RGB	172, 240, 246
RGB Percent	67%, 94%, 96%
CMY	0.3256, 0.0588, 0.0351
CMYK	0.30, 0.02, 0.00, 0.04
HSL	185°, 81%, 82%
HSV	185°, 30%, 96%
XYZ	64.8074, 77.7447, 98.8161
YIQ	220.3520, -42.4540, -12.5500

Conversions

Conversions Part 2

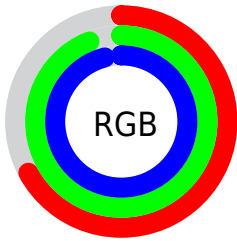
Format	Color
R _Y B	172, 207, 246
Decimal	11333878
CIE Lab	90.66, -19.68, -9.73
CIE LCh	91, 21.951, 206.323
Yxy	77.7447, 0.2685, 0.3221
Android (android.graphics.Color)	4289523958 (0xFFACF0F6)
YUV	220.3520, 12.6445, -42.4047
Hunter-Lab	88.1730, -23.1047, -4.7257

Details

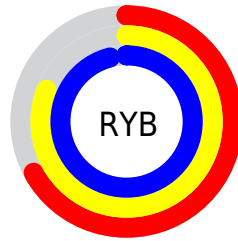
The Yxy color **77.7447, 0.2685, 0.3221** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.4217, 0.3787, 0.3357**, and the grayscale version is **71.7596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **41.7806, 0.2587, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **74.0428, 0.2559, 0.3195**, and if you desaturate by 10%, it is **81.9812, 0.2823, 0.3246**.

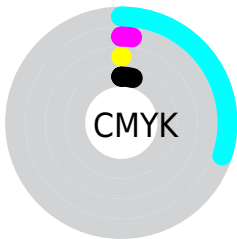
Distribution



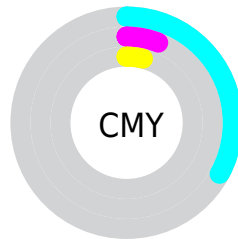
- Red (67%)
- Green (94%)
- Blue (96%)



- Red (67%)
- Yellow (81%)
- Blue (96%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (33%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7447, 0.2685, 0.3221 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 77.7447, 0.2685, 0.3221 by changing the saturation by 10% instead.


 77.7447, 0.2685,
0.3221

 77.7447, 0.2685,
0.3221

487.2994, 0.2884,
0.3256

 57.8643, 0.2641,
0.3212


 130.1902, 0.2753,
0.3234

 41.6995, 0.2587,
0.3201


163.5240, 0.2780,
0.3239

 28.8661, 0.2519,
0.3187


202.1111, 0.2803,
0.3243

 18.9796, 0.2433,
0.3167

246.3359, 0.2823,
0.3246

 11.6555, 0.2318,
0.3138

296.5827, 0.2841,
0.3249

 6.5096, 0.2160,
0.3094

353.2359, 0.2857,

 3.1573, 0.1926,

0.3252

0.3020

416.6800, 0.2871,
0.3254

1.2144, 0.1525,
0.2885

0.0734, 0.0000,
0.0881

77.7447, 0.2685,
0.3221

77.7447, 0.2685,
0.3221

74.0428, 0.2559,
0.3195

81.9812, 0.2823,
0.3246

70.8376, 0.2449,
0.3168

86.7694, 0.2971,
0.3269

68.1009, 0.2357,
0.3140

92.1368, 0.3125,
0.3290

65.7979, 0.2283,
0.3112

95.0711, 0.3184,
0.3309

63.8886, 0.2229,
0.3083

96.3115, 0.3182,
0.3328

62.3254, 0.2194,
0.3055

97.5652, 0.3181,
0.3348

61.0417, 0.2175,
0.3028

98.8323, 0.3180,
0.3367

99.4367, 0.3179,
0.3376

Harmonies

Analogous

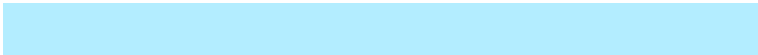
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7447, 0.2846, 0.3466



77.7447, 0.2685, 0.3221



77.7447, 0.2639, 0.3009

Triad

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



77.7447, 0.2685, 0.3221



77.7447, 0.3153, 0.2952



77.7447, 0.3548, 0.3699

Complementary

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



77.7447, 0.2685, 0.3221



54.4217, 0.3787, 0.3357

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.



77.7447, 0.3641, 0.3542



77.7447, 0.2685, 0.3221



77.7447, 0.3408, 0.3118

Square

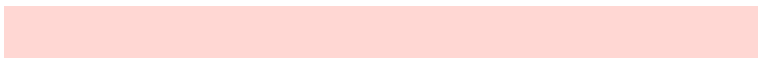
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



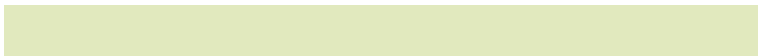
77.7447, 0.2685, 0.3221



77.7447, 0.2901, 0.2866



77.7447, 0.3589, 0.3330



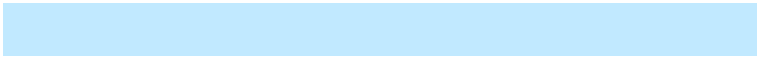
77.7447, 0.3342, 0.3750

Rectangle

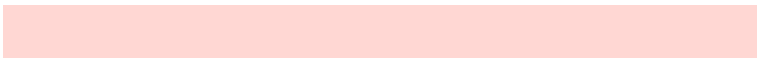
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7447, 0.2685, 0.3221



77.7447, 0.2677, 0.2914



77.7447, 0.3589, 0.3330



77.7447, 0.3594, 0.3656

Sweetspot

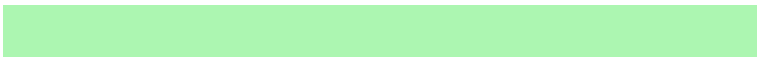
The Sweet Spot groups the original color and five complimentary colors.



77.7478, 0.2685, 0.3221



94.7161, 0.2988, 0.3271



77.8776, 0.3059, 0.4114



20.1007, 0.2966, 0.3268



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.



77.7478, 0.2685, 0.3221



81.8646, 0.2608, 0.3206



58.6414, 0.2637, 0.2799



18.5130, 0.2981, 0.3270



32.6668, 0.2176, 0.3033



2.9382, 0.2185, 0.3067

Inverse Universe

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



55.3850, 0.3210, 0.2595



54.2727, 0.3229, 0.2460



70.6440, 0.3675, 0.3735



16.7436, 0.3150, 0.3075



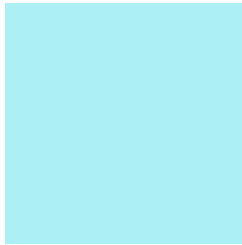
13.3971, 0.3425, 0.1661



1.1842, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 77.7447, 0.2685, 0.3221 looks on a white background.

Color Contrast Check

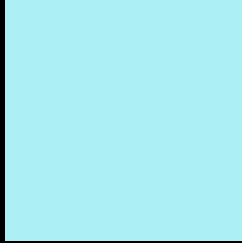
Large Text (above 18pt) WCAG AA × Fail

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 77.7447, 0.2685, 0.3221 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 77.7447, 0.2685, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 77.7447, 0.2685, 0.3221.

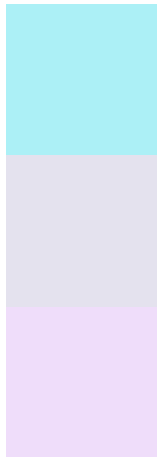


This preview shows how white text looks on a background with the Yxy color 77.7447, 0.2685, 0.3221.

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

77.7447, 0.2685, 0.3221

Protanopia

77.0597, 0.3064, 0.3164

Deuteranopia

76.9658, 0.3065, 0.2997



Tritanopia

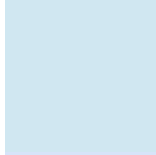
77.4917, 0.2679, 0.3091

Trichromacy



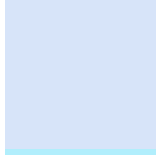
Original Color

77.7447, 0.2685, 0.3221



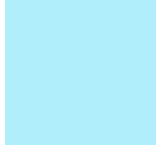
Protanomaly

76.9126, 0.2915, 0.3182



Deuteranomaly

76.7734, 0.2912, 0.3068



Tritanomaly

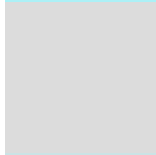
77.5245, 0.2679, 0.3134

Monochromacy



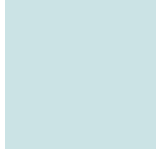
Original Color

77.7447, 0.2685, 0.3221



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.2918, 0.2953, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7447, 0.2685, 0.3221 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(172, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(172, 240, 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(172, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 240, 246) }
```

Border

The CSS property to change the border of an element to Yxy 77.7447, 0.2685, 0.3221 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(172, 240, 246) }
```

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

```
.border{ border-color:rgb(172, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(172, 240,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7447, 0.2685, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 240, 246) }
```

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

```
.background{ background-color: rgb(172,  
240, 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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