

Converting Colors

$Yxy(67.7212, 0.2906, 0.3767)$

Have a look what the booklet for
Yxy(67.7212, 0.2906, 0.3767)
contains.

Yxy(67.8288, 0.2905, 0.3775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.8288, 0.2905, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	A0E6BF
RGB	160, 230, 191
RGB Percent	63%, 90%, 75%
CMY	0.3727, 0.0980, 0.2508
CMYK	0.30, 0.00, 0.17, 0.10
HSL	147°, 58%, 76%
HSV	147°, 30%, 90%
XYZ	52.1967, 67.8288, 59.6534
YIQ	204.6240, -29.2010, -26.9690

Conversions

Conversions Part 2

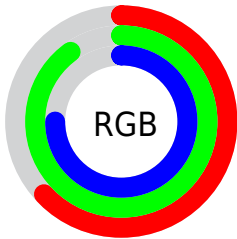
Format	Color
RYB	160, 209, 230
Decimal	10544831
CIELab	85.92, -29.86, 12.07
CIELCh	86, 32.208, 157.985
Yxy	67.8288, 0.2905, 0.3775
Android (android.graphics.Color)	4288734911 (0xFFA0E6BF)
YUV	204.6240, -6.7166, -39.1352
Hunter-Lab	82.3582, -30.9978, 14.7061

Details

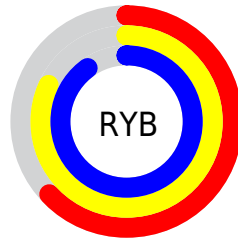
The Yxy color **67.8288, 0.2905, 0.3775** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.0763, 0.3436, 0.2852**, and the grayscale version is **60.8557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8343, 0.2937, 0.3371**, and **35.1713, 0.2842, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **65.1376, 0.2843, 0.3968**, and if you desaturate by 10%, it is **71.0133, 0.2974, 0.3598**.

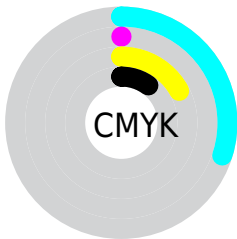
Distribution



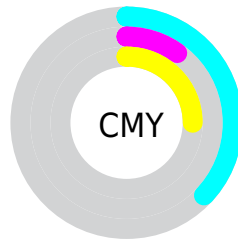
- Red (63%)
- Green (90%)
- Blue (75%)



- Red (63%)
- Yellow (82%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)





- Cyan (37%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8288, 0.2905, 0.3775 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 67.8288, 0.2905, 0.3775 by changing the saturation by 10% instead.


 67.8288, 0.2905,
0.3775

 67.8288, 0.2905,
0.3775

452.8892, 0.3013,
0.3540

 49.7585, 0.2879,
0.3832


 116.1072, 0.2944,
0.3691

 35.2215, 0.2846,
0.3903


 147.0840, 0.2958,
0.3659

 23.8336, 0.2803,
0.3997


183.1319, 0.2971,
0.3632

 15.2102, 0.2745,
0.4123

224.6350, 0.2981,
0.3608

 8.9670, 0.2662,
0.4304

271.9780, 0.2991,
0.3588

 4.7197, 0.2534,
0.4583

325.5450, 0.2999,

 2.0838, 0.2311,

0.3570

385.7207, 0.3006,
0.3554

0.5065

0.6555, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.8288, 0.2905,
0.3775

67.8288, 0.2905,
0.3775

65.1376, 0.2843,
0.3968

71.0133, 0.2974,
0.3598

62.9059, 0.2791,
0.4174

74.7063, 0.3048,
0.3439

61.1085, 0.2754,
0.4390

78.9326, 0.3124,
0.3296

59.7145, 0.2733,
0.4610

83.7128, 0.3199,
0.3170

■ 58.6885, 0.2732,
0.4827

■ 85.0777, 0.3138,
0.3049

■ 57.9886, 0.2750,
0.5034

■ 57.5577, 0.2783,
0.5217

Harmonies

Analogous

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



67.8288, 0.3298, 0.3985



67.8288, 0.2905, 0.3775



67.8288, 0.2585, 0.3410

Triad

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



67.8288, 0.2905, 0.3775



67.8288, 0.2595, 0.2649



67.8288, 0.3899, 0.3466

Complementary

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



67.8288, 0.2905, 0.3775



46.0763, 0.3436, 0.2852

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.



67.8288, 0.3688, 0.3144



67.8288, 0.2905, 0.3775



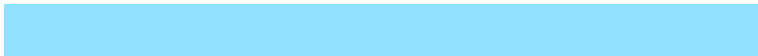
67.8288, 0.2919, 0.2690

Square

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



67.8288, 0.2905, 0.3775



67.8288, 0.2417, 0.2764



67.8288, 0.3320, 0.2868



67.8288, 0.3885, 0.3768

Rectangle

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



67.8288, 0.2905, 0.3775



67.8288, 0.2451, 0.3152



67.8288, 0.3320, 0.2868



67.8288, 0.3852, 0.3357

Sweetspot

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



67.8316, 0.2905, 0.3775



95.1089, 0.3059, 0.3418



71.3671, 0.3361, 0.4109



20.1992, 0.3048, 0.3440



0.0000, 0.0000, 0.0000



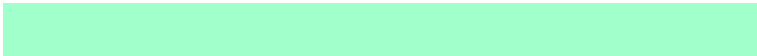
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8316, 0.2905, 0.3775



83.3490, 0.2862, 0.3904



69.5230, 0.2715, 0.3345



16.1949, 0.3056, 0.3424



32.6073, 0.2774, 0.5188



2.4280, 0.2695, 0.4903

Inverse Universe

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



46.0763, 0.3436, 0.2852



51.4390, 0.3529, 0.2752



44.6592, 0.3767, 0.3238



14.5016, 0.3206, 0.3160



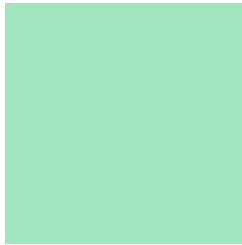
10.4311, 0.4717, 0.2372



0.7895, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 67.8288, 0.2905, 0.3775 looks on a white background.

Color Contrast Check

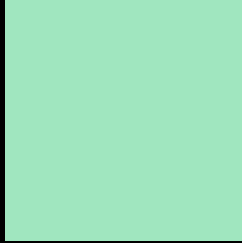
Large Text (above 18pt) WCAG AA × Fail

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 67.8288, 0.2905, 0.3775 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

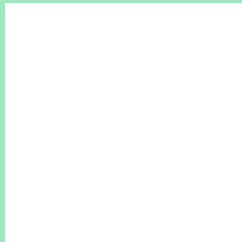
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8288, 0.2905, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 67.8288, 0.2905, 0.3775.

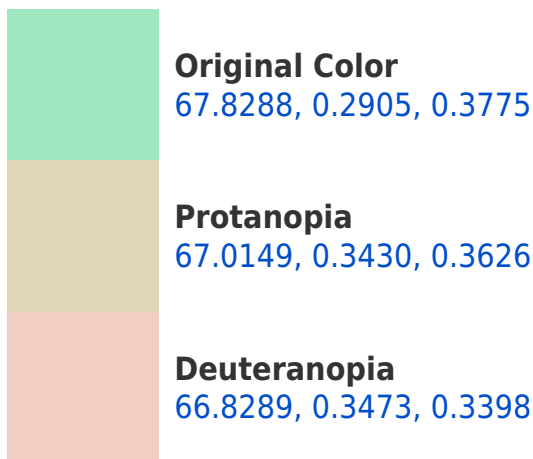


This preview shows how white text looks on a background with the Yxy color 67.8288, 0.2905, 0.3775.

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

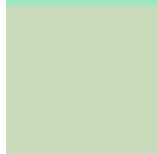
67.6723, 0.2678, 0.3080

Trichromacy



Original Color

67.8288, 0.2905, 0.3775



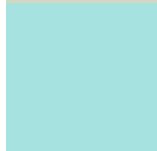
Protanomaly

66.6257, 0.3217, 0.3678



Deuteranomaly

66.4930, 0.3249, 0.3531



Tritanomaly

67.8274, 0.2757, 0.3325

Monochromacy



Original Color

67.8288, 0.2905, 0.3775



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.0821, 0.3040, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8288, 0.2905, 0.3775 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(160, 230, 191)` looks like.

```
.text, #text, p{  
    color:rgb(160, 230, 191)  
}
```

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(160, 230, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 230, 191) }
```

Border

The CSS property to change the border of an element to Yxy 67.8288, 0.2905, 0.3775 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(160, 230, 191) }
```

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

```
.border{ border-color:rgb(160, 230, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 230, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 230, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 230, 191);  
box-shadow:4px 4px 4px 4px rgb(160, 230,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8288, 0.2905, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 230, 191) }
```

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

```
.background{ background-color: rgb(160,  
230, 191) }
```

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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