

Converting Colors

$Yxy(67.7837, 0.2747, 0.3169)$

Have a look what the booklet for
Yxy(67.7837, 0.2747, 0.3169)
contains.

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Color

Yxy(67.7725, 0.2751, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	AFDFE9
RGB	175, 223, 233
RGB Percent	69%, 87%, 91%
CMY	0.3140, 0.1254, 0.0863
CMYK	0.25, 0.04, 0.00, 0.09
HSL	190°, 57%, 80%
HSV	190°, 25%, 91%
XYZ	58.7589, 67.7725, 87.0598
YIQ	209.7880, -31.8180, -7.0660

Conversions

Conversions Part 2

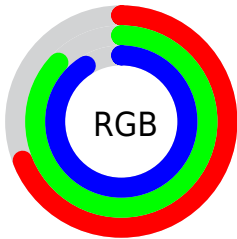
Format	Color
RYB	175, 201, 233
Decimal	11526121
CIELab	85.89, -13.25, -9.95
CIELCh	86, 16.574, 216.910
Yxy	67.7725, 0.2751, 0.3173
Android (android.graphics.Color)	4289716201 (0xFFAFDFE9)
YUV	209.7880, 11.4435, -30.5091
Hunter-Lab	82.3241, -16.6624, -5.0738

Details

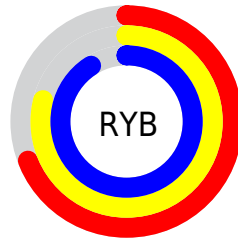
The Yxy color **67.7725, 0.2751, 0.3173** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.0595, 0.3626, 0.3404**, and the grayscale version is **64.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **35.2445, 0.2665, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **63.1992, 0.2612, 0.3119**, and if you desaturate by 10%, it is **72.8666, 0.2898, 0.3223**.

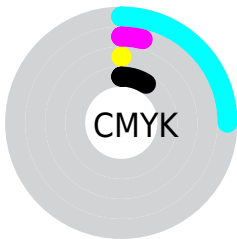
Distribution



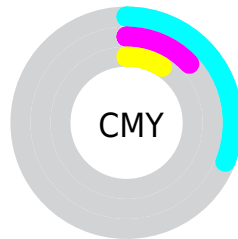
- Red (69%)
- Green (87%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7725, 0.2751, 0.3173 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 67.7725, 0.2751, 0.3173 by changing the saturation by 10% instead.

67.7725, 0.2751,
0.3173

67.7725, 0.2751,
0.3173

452.6896, 0.2925,
0.3230

49.7127, 0.2711,
0.3159

116.0266, 0.2811,
0.3194

35.1852, 0.2662,
0.3142

146.9897, 0.2835,
0.3201

23.8055, 0.2600,
0.3119

183.0227, 0.2855,
0.3208

15.1894, 0.2519,
0.3088

224.5099, 0.2873,
0.3214

8.9524, 0.2409,
0.3044

271.8359, 0.2888,
0.3219

4.7102, 0.2251,
0.2976

325.3848, 0.2902,

2.0782, 0.2006,

0.3223

0.2861

385.5413, 0.2914,
0.3227

0.6523, 0.1222,
0.2689

0.0000, 0.0000,
0.0000

67.7725, 0.2751,
0.3173

67.7725, 0.2751,
0.3173

63.1992, 0.2612,
0.3119

72.8666, 0.2898,
0.3223

59.1144, 0.2485,
0.3062

78.4959, 0.3051,
0.3269

55.4944, 0.2372,
0.3003

84.6841, 0.3206,
0.3311

52.3100, 0.2277,
0.2942

88.8785, 0.3272,
0.3350

■ 49.5287, 0.2200,
0.2879

■ 91.2440, 0.3268,
0.3388

■ 47.1124, 0.2143,
0.2817

■ 93.6616, 0.3264,
0.3427

■ 45.0145, 0.2105,
0.2756

■ 96.1315, 0.3260,
0.3465

■ 44.0338, 0.2090,
0.2725

■ 98.6541, 0.3256,
0.3503

■ 98.6621, 0.3256,
0.3503

Harmonies

Analogous

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



67.7725, 0.2850, 0.3363



67.7725, 0.2751, 0.3173



67.7725, 0.2749, 0.3024

Triad

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



67.7725, 0.2751, 0.3173



67.7725, 0.3223, 0.3061



67.7725, 0.3412, 0.3639

Complementary

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



67.7725, 0.2751, 0.3173



55.0595, 0.3626, 0.3404

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.



67.7725, 0.3519, 0.3543



67.7725, 0.2751, 0.3173



67.7725, 0.3409, 0.3212

Square

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



67.7725, 0.2751, 0.3173



67.7725, 0.3016, 0.2967



67.7725, 0.3519, 0.3386



67.7725, 0.3229, 0.3639

Rectangle

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



67.7725, 0.2751, 0.3173



67.7725, 0.2802, 0.2966



67.7725, 0.3519, 0.3386



67.7725, 0.3458, 0.3616

Sweetspot

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



67.7752, 0.2751, 0.3173



94.8328, 0.3018, 0.3260



70.8577, 0.3037, 0.3876



20.2062, 0.3009, 0.3257



0.0000, 0.0000, 0.0000



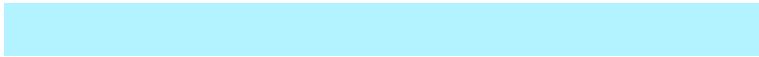
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7752, 0.2751, 0.3173



80.1776, 0.2677, 0.3145



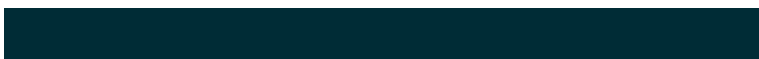
53.6929, 0.2720, 0.2824



16.6567, 0.2981, 0.3249



25.1514, 0.2093, 0.2734



2.0909, 0.2117, 0.2819

Inverse Universe

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



53.2788, 0.3236, 0.2770



59.7038, 0.3263, 0.2659



68.3174, 0.3551, 0.3716



15.2668, 0.3164, 0.3097



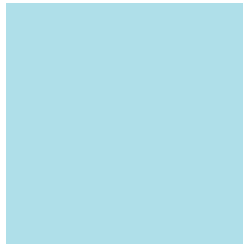
12.0319, 0.3696, 0.1810



0.9565, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 67.7725, 0.2751, 0.3173 looks on a white background.

Color Contrast Check

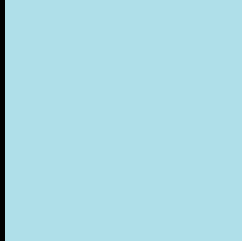
Large Text (above 18pt) WCAG AA × Fail

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 67.7725, 0.2751, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

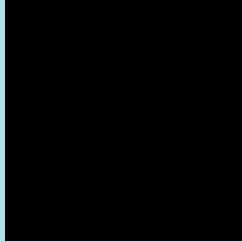
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7725, 0.2751, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 67.7725, 0.2751, 0.3173.

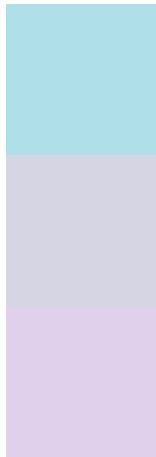


This preview shows how white text looks on a background with the Yxy color 67.7725, 0.2751, 0.3173.

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

67.7725, 0.2751, 0.3173

Protanopia

67.4307, 0.3041, 0.3135

Deuteranopia

67.1754, 0.3061, 0.2991



Tritanopia

67.7639, 0.2717, 0.3082

Trichromacy



Original Color

67.7725, 0.2751, 0.3173

Protanomaly

67.5622, 0.2931, 0.3154

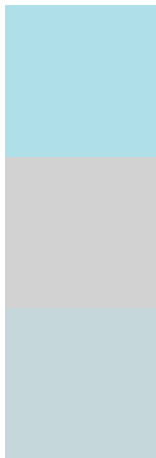
Deuteranomaly

66.8521, 0.2940, 0.3046

Tritanomaly

67.5871, 0.2734, 0.3115

Monochromacy



Original Color

67.7725, 0.2751, 0.3173

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.5331, 0.2979, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7725, 0.2751, 0.3173 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(175, 223, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 223, 233)  
}
```

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(175, 223, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 223, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.7725, 0.2751, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

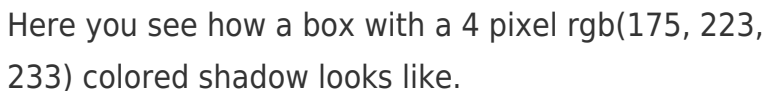
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 223, 233) }
```

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

```
.border{ border-color:rgb(175, 223, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 223, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 223, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 223, 233); box-shadow:4px 4px 4px 4px rgb(175, 223, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7725, 0.2751, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 223, 233) }
```

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

```
.background{ background-color: rgb(175,  
223, 233) }
```

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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