

Converting Colors

$Yxy(68.1311, 0.2753, 0.3062)$

Have a look what the booklet for
Yxy(68.1311, 0.2753, 0.3062)
contains.

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Color

Yxy(68.1311, 0.2753, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	B7DDF1
RGB	183, 221, 241
RGB Percent	72%, 87%, 95%
CMY	0.2824, 0.1333, 0.0550
CMYK	0.24, 0.08, 0.00, 0.06
HSL	201°, 67%, 83%
HSV	201°, 24%, 94%
XYZ	61.2557, 68.1311, 93.1184
YIQ	211.9180, -29.0680, -1.8360

Conversions

Conversions Part 2

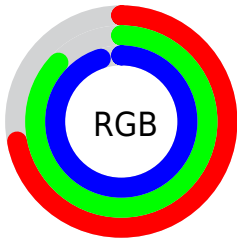
Format	Color
RYB	183, 206, 241
Decimal	12049905
CIELab	86.07, -8.08, -13.85
CIELCh	86, 16.036, 239.761
Yxy	68.1311, 0.2753, 0.3062
Android (android.graphics.Color)	4290239985 (0xFFB7DDF1)
YUV	211.9180, 14.3374, -25.3611
Hunter-Lab	82.5416, -11.9794, -9.1083

Details

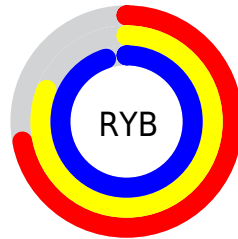
The Yxy color **68.1311, 0.2753, 0.3062** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64.8011, 0.3580, 0.3507**, and the grayscale version is **65.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **35.4423, 0.2666, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **61.1548, 0.2600, 0.2952**, and if you desaturate by 10%, it is **75.8351, 0.2909, 0.3163**.

Distribution



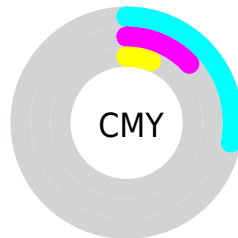
- Red (72%)
- Green (87%)
- Blue (95%)



- Red (72%)
- Yellow (81%)
- Blue (95%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)





- Cyan (28%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1311, 0.2753, 0.3062 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 68.1311, 0.2753, 0.3062 by changing the saturation by 10% instead.


 68.1311, 0.2753,
0.3062

 68.1311, 0.2753,
0.3062

453.9604, 0.2926,
0.3170

 50.0044, 0.2714,
0.3037


 116.5397, 0.2813,
0.3100

 35.4169, 0.2665,
0.3005


147.5903, 0.2836,
0.3115

 23.9842, 0.2603,
0.2964


183.7178, 0.2856,
0.3127

 15.3219, 0.2523,
0.2911

225.3064, 0.2874,
0.3138

 9.0456, 0.2415,
0.2836

272.7405, 0.2889,
0.3148

 4.7709, 0.2260,
0.2726

326.4047, 0.2903,

 2.1135, 0.2023,

0.3156

0.2549

386.6831, 0.2915,
0.3164

0.6722, 0.1464,
0.2228

0.0000, 0.0000,
0.0000

68.1311, 0.2753,
0.3062

68.1311, 0.2753,
0.3062

61.1548, 0.2600,
0.2952

75.8351, 0.2909,
0.3163

54.8692, 0.2454,
0.2833

84.2857, 0.3065,
0.3255

49.2459, 0.2318,
0.2708

93.4580, 0.3216,
0.3338

44.2505, 0.2196,
0.2577

98.6147, 0.3209,
0.3417

■ 39.8452, 0.2092,
0.2444

■ 99.1292, 0.3209,
0.3425

■ 35.9860, 0.2009,
0.2310

■ 32.6203, 0.1947,
0.2179

■ 30.8103, 0.1917,
0.2102

Harmonies

Analogous

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



68.1311, 0.2778, 0.3219



68.1311, 0.2753, 0.3062



68.1311, 0.2824, 0.2972

Triad

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



68.1311, 0.2753, 0.3062



68.1311, 0.3361, 0.3176



68.1311, 0.3272, 0.3636

Complementary

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



68.1311, 0.2753, 0.3062



64.8011, 0.3580, 0.3507

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.



68.1311, 0.3435, 0.3612



68.1311, 0.2753, 0.3062



68.1311, 0.3489, 0.3343

Square

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



68.1311, 0.2753, 0.3062



68.1311, 0.3172, 0.3041



68.1311, 0.3516, 0.3502



68.1311, 0.3074, 0.3560

Rectangle

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



68.1311, 0.2753, 0.3062



68.1311, 0.2918, 0.2959



68.1311, 0.3516, 0.3502



68.1311, 0.3333, 0.3639

Sweetspot

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



68.1339, 0.2753, 0.3062



92.9124, 0.3019, 0.3229



77.2390, 0.2984, 0.3738



19.7606, 0.3009, 0.3224



0.0000, 0.0000, 0.0000



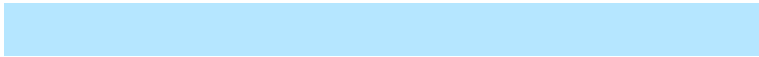
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1339, 0.2753, 0.3062



73.3899, 0.2676, 0.3008



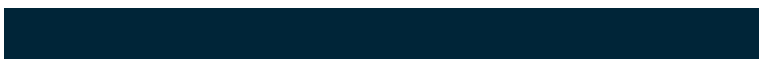
54.4004, 0.2725, 0.2725



16.9594, 0.2980, 0.3207



16.9730, 0.1923, 0.2123



1.5965, 0.1971, 0.2295

Inverse Universe

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



57.7783, 0.3311, 0.2887



60.0157, 0.3359, 0.2800



79.4387, 0.3513, 0.3798



15.9336, 0.3191, 0.3136



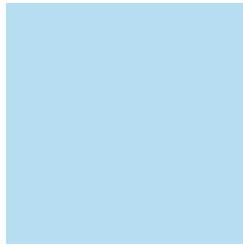
11.5068, 0.4316, 0.2151



0.9759, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 68.1311, 0.2753, 0.3062 looks on a white background.

Color Contrast Check

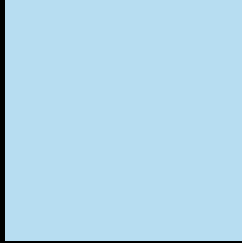
Large Text (above 18pt) WCAG AA × Fail

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 68.1311, 0.2753, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

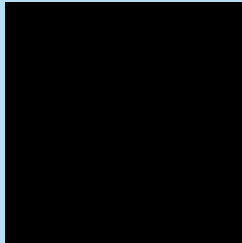
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1311, 0.2753, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 68.1311, 0.2753, 0.3062.



This preview shows how white text looks on a background with the Yxy color 68.1311, 0.2753, 0.3062.

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

68.1311, 0.2753, 0.3062

Protanopia

67.6417, 0.2968, 0.3038

Deuteranopia

67.6016, 0.2993, 0.2928



Tritanopia

68.0122, 0.2764, 0.3084

Trichromacy



Original Color

68.1311, 0.2753, 0.3062

Protanomaly

67.7023, 0.2882, 0.3045

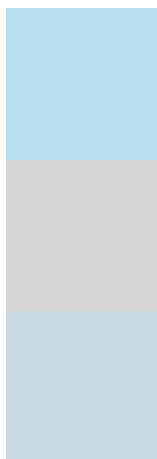
Deuteranomaly

67.4092, 0.2903, 0.2972

Tritanomaly

68.0715, 0.2759, 0.3073

Monochromacy



Original Color

68.1311, 0.2753, 0.3062

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.3461, 0.2975, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1311, 0.2753, 0.3062 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(183, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(183, 221, 241)  
}
```

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(183, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 221, 241) }
```

Border

The CSS property to change the border of an element to Yxy 68.1311, 0.2753, 0.3062 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(183, 221, 241) }
```

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

```
.border{ border-color:rgb(183, 221, 241) }
```

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

Here you see how a box with a 4 pixel rgb(183, 221, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(183, 221,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1311, 0.2753, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 221, 241) }
```

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

```
.background{ background-color: rgb(183,  
221, 241) }
```

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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