

Converting Colors

$Yxy(66.8273, 0.2704, 0.3036)$

Have a look what the booklet for
Yxy(66.8273, 0.2704, 0.3036)
contains.

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Color

Yxy(66.8273, 0.2704, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCF2
RGB	176, 220, 242
RGB Percent	69%, 86%, 95%
CMY	0.3099, 0.1372, 0.0510
CMYK	0.27, 0.09, 0.00, 0.05
HSL	200°, 72%, 82%
HSV	200°, 27%, 95%
XYZ	59.5194, 66.8273, 93.7695
YIQ	209.3520, -33.2860, -2.4860

Conversions

Conversions Part 2

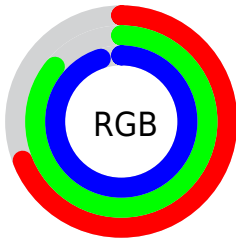
Format	Color
RYB	176, 202, 242
Decimal	11590898
CIELab	85.42, -9.37, -15.43
CIELCh	85, 18.049, 238.721
Yxy	66.8273, 0.2704, 0.3036
Android (android.graphics.Color)	4289780978 (0xFFB0DCF2)
YUV	209.3520, 16.0955, -29.2497
Hunter-Lab	81.7480, -13.0958, -10.7854

Details

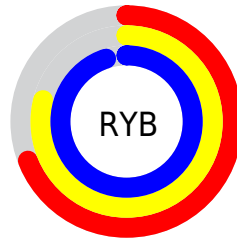
The Yxy color **66.8273, 0.2704, 0.3036** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.3828, 0.3658, 0.3530**, and the grayscale version is **63.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **34.5930, 0.2605, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **60.1268, 0.2554, 0.2927**, and if you desaturate by 10%, it is **74.2400, 0.2859, 0.3137**.

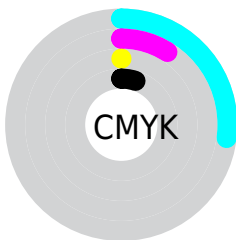
Distribution



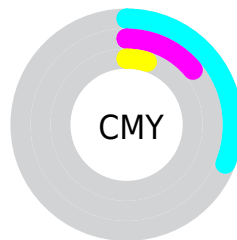
- Red (69%)
- Green (86%)
- Blue (95%)



- Red (69%)
- Yellow (79%)
- Blue (95%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (31%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8273, 0.2704, 0.3036 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 66.8273, 0.2704, 0.3036 by changing the saturation by 10% instead.

■ 66.8273, 0.2704,
0.3036

■ 66.8273, 0.2704,
0.3036

■ 449.3298, 0.2900,
0.3157

■ 48.9443, 0.2659,
0.3007

■ 114.6729, 0.2772,
0.3079

■ 34.5753, 0.2604,
0.2972

■ 145.4043, 0.2798,
0.3095

■ 23.3359, 0.2535,
0.2926

■ 181.1873, 0.2821,
0.3109

■ 14.8417, 0.2444,
0.2865

■ 222.4063, 0.2841,
0.3122

■ 8.7084, 0.2321,
0.2780

■ 269.4456, 0.2858,
0.3132

■ 4.5515, 0.2147,
0.2655

■ 322.6897, 0.2874,

■ 1.9866, 0.1881,

0.3142

0.2454

382.5230, 0.2888,
0.3150

0.5997, 0.1179,
0.2072

0.0000, 0.0000,
0.0000

66.8273, 0.2704,
0.3036

66.8273, 0.2704,
0.3036

60.1268, 0.2554,
0.2927

74.2400, 0.2859,
0.3137

54.1008, 0.2412,
0.2810

82.3844, 0.3014,
0.3229

48.7200, 0.2281,
0.2687

91.2890, 0.3169,
0.3312

43.9490, 0.2167,
0.2560

97.4505, 0.3205,
0.3389

■ 39.7481, 0.2071,
0.2431

■ 99.1911, 0.3203,
0.3415

■ 36.0709, 0.1996,
0.2302

■ 32.8579, 0.1942,
0.2176

■ 32.0421, 0.1929,
0.2142

Harmonies

Analogous

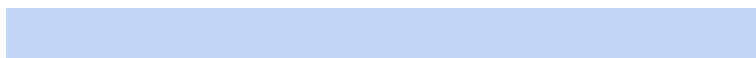
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8273, 0.2736, 0.3215



66.8273, 0.2704, 0.3036



66.8273, 0.2780, 0.2933

Triad

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



66.8273, 0.2704, 0.3036



66.8273, 0.3386, 0.3155



66.8273, 0.3298, 0.3684

Complementary

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



66.8273, 0.2704, 0.3036



62.3828, 0.3658, 0.3530

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.



66.8273, 0.3480, 0.3652



66.8273, 0.2704, 0.3036



66.8273, 0.3534, 0.3342

Square

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



66.8273, 0.2704, 0.3036



66.8273, 0.3169, 0.3005



66.8273, 0.3569, 0.3523



66.8273, 0.3074, 0.3602

Rectangle

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



66.8273, 0.2704, 0.3036



66.8273, 0.2883, 0.2916



66.8273, 0.3569, 0.3523



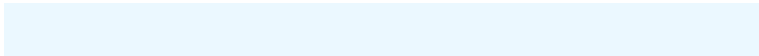
66.8273, 0.3366, 0.3686

Sweetspot

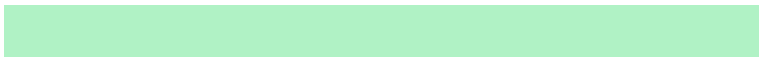
The Sweet Spot groups the original color and five complimentary colors.



66.8300, 0.2704, 0.3036



92.0755, 0.3003, 0.3222



76.7597, 0.2972, 0.3821



19.4022, 0.2980, 0.3209



0.0000, 0.0000, 0.0000



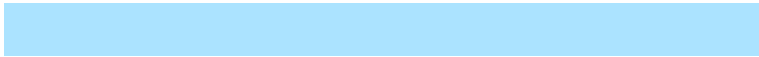
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8300, 0.2704, 0.3036



70.7845, 0.2616, 0.2974



51.6363, 0.2666, 0.2651



16.9902, 0.2980, 0.3209



17.4739, 0.1934, 0.2163



1.6356, 0.1980, 0.2329

Inverse Universe

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



55.0846, 0.3335, 0.2824



55.8737, 0.3392, 0.2722



78.5489, 0.3571, 0.3857



15.9367, 0.3189, 0.3134



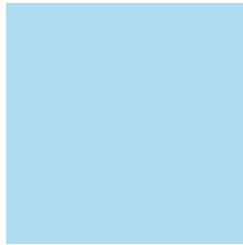
11.5573, 0.4272, 0.2127



0.9798, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 66.8273, 0.2704, 0.3036 looks on a white background.

Color Contrast Check

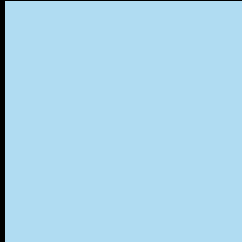
Large Text (above 18pt) WCAG AA × Fail

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 66.8273, 0.2704, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

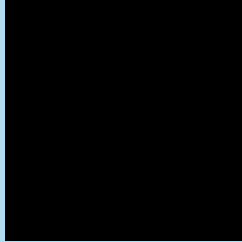
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8273, 0.2704, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 66.8273, 0.2704, 0.3036.

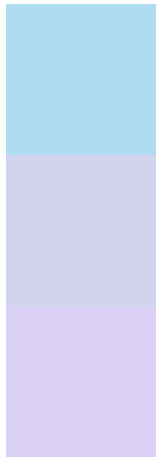


This preview shows how white text looks on a background with the Yxy color 66.8273, 0.2704, 0.3036.

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

66.8273, 0.2704, 0.3036

Protanopia

66.3463, 0.2954, 0.3014

Deuteranopia

66.7644, 0.2959, 0.2894



Tritanopia

66.9999, 0.2721, 0.3092

Trichromacy



Original Color

66.8273, 0.2704, 0.3036

Protanomaly

66.2719, 0.2861, 0.3020

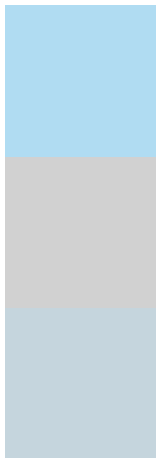
Deuteranomaly

66.3151, 0.2857, 0.2937

Tritanomaly

67.0589, 0.2716, 0.3081

Monochromacy



Original Color

66.8273, 0.2704, 0.3036

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.6793, 0.2960, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8273, 0.2704, 0.3036 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(176, 220, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 242)  
}
```

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(176, 220, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 242) }
```

Border

The CSS property to change the border of an element to Yxy 66.8273, 0.2704, 0.3036 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(176, 220, 242) }
```

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

```
.border{ border-color:rgb(176, 220, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 220, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 220, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 220, 242);  
box-shadow:4px 4px 4px 4px rgb(176, 220,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8273, 0.2704, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 242) }
```

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

```
.background{ background-color: rgb(176,  
220, 242) }
```

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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