

Converting Colors

$Yxy(66.7537, 0.2625, 0.3169)$

Have a look what the booklet for
Yxy(66.7537, 0.2625, 0.3169)
contains.

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Color

Yxy(66.7186, 0.2624, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	9AE1EB
RGB	154, 225, 235
RGB Percent	60%, 88%, 92%
CMY	0.3962, 0.1176, 0.0784
CMYK	0.34, 0.04, 0.00, 0.08
HSL	187°, 67%, 76%
HSV	187°, 34%, 92%
XYZ	55.2444, 66.7186, 88.5722
YIQ	204.9110, -45.5260, -11.9420

Conversions

Conversions Part 2

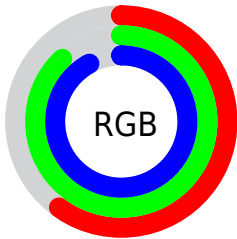
Format	Color
RYB	154, 192, 235
Decimal	10150379
CIELab	85.36, -19.63, -11.94
CIELCh	85, 22.976, 211.304
Yxy	66.7186, 0.2624, 0.3169
Android (android.graphics.Color)	4288340459 (0xFF9AE1EB)
YUV	204.9110, 14.8339, -44.6489
Hunter-Lab	81.6815, -22.2159, -7.1147

Details

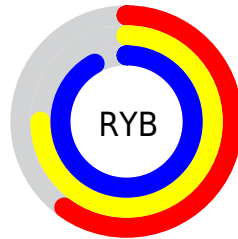
The Yxy color **66.7186, 0.2624, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5407, 0.3906, 0.3406**, and the grayscale version is **60.9151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **34.6568, 0.2510, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **63.0814, 0.2501, 0.3129**, and if you desaturate by 10%, it is **70.8391, 0.2760, 0.3207**.

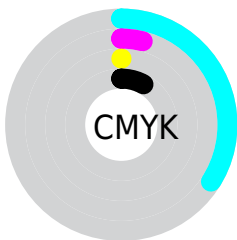
Distribution



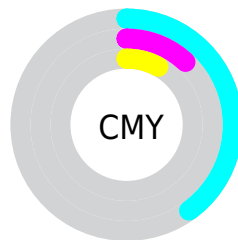
- Red (60%)
- Green (88%)
- Blue (92%)



- Red (60%)
- Yellow (75%)
- Blue (92%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)





- Cyan (40%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7186, 0.2624, 0.3169 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 66.7186, 0.2624, 0.3169 by changing the saturation by 10% instead.


 66.7186, 0.2624,
0.3169


 66.7186, 0.2624,
0.3169


448.9425, 0.2856,
0.3230

 48.8560, 0.2571,
0.3154


 114.5171, 0.2704,
0.3191

 34.5052, 0.2506,
0.3134


 145.2218, 0.2736,
0.3200

 23.2820, 0.2424,
0.3108


180.9759, 0.2763,
0.3207

 14.8019, 0.2317,
0.3072

222.1639, 0.2786,
0.3213

 8.6805, 0.2173,
0.3021

269.1702, 0.2807,
0.3218

 4.5334, 0.1969,
0.2939

322.3791, 0.2825,

 1.9762, 0.1661,

0.3223

0.2798

382.1751, 0.2842,
0.3227

■ 0.5936, 0.0376,
0.2630

■ 0.0000, 0.0000,
0.0000

■ 66.7186, 0.2624,
0.3169

■ 66.7186, 0.2624,
0.3169

■ 63.0814, 0.2501,
0.3129

■ 70.8391, 0.2760,
0.3207

■ 59.8930, 0.2393,
0.3086

■ 75.4595, 0.2905,
0.3243

■ 57.1267, 0.2303,
0.3043

■ 80.6050, 0.3058,
0.3276

■ 54.7495, 0.2233,
0.2999

■ 86.2970, 0.3213,
0.3306

■ 52.7231, 0.2182,
0.2956

■ 89.2942, 0.3258,
0.3334

■ 51.0006, 0.2149,
0.2913

■ 91.0117, 0.3256,
0.3363

■ 50.1404, 0.2136,
0.2889

■ 92.7566, 0.3253,
0.3391

■ 94.5291, 0.3250,
0.3419

■ 96.3292, 0.3247,
0.3446

Harmonies

Analogous

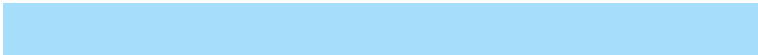
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.7186, 0.2781, 0.3440



66.7186, 0.2624, 0.3169



66.7186, 0.2596, 0.2949

Triad

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



66.7186, 0.2624, 0.3169



66.7186, 0.3204, 0.2944



66.7186, 0.3560, 0.3759

Complementary

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



66.7186, 0.2624, 0.3169



46.5407, 0.3906, 0.3406

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.



66.7186, 0.3687, 0.3599



66.7186, 0.2624, 0.3169



66.7186, 0.3477, 0.3137

Square

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



66.7186, 0.2624, 0.3169



66.7186, 0.2920, 0.2834



66.7186, 0.3657, 0.3373



66.7186, 0.3318, 0.3793

Rectangle

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



66.7186, 0.2624, 0.3169



66.7186, 0.2652, 0.2858



66.7186, 0.3657, 0.3373



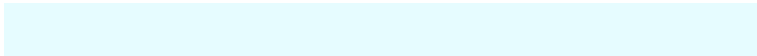
66.7186, 0.3618, 0.3717

Sweetspot

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



66.7212, 0.2624, 0.3169



93.4881, 0.2972, 0.3258



68.9515, 0.3026, 0.4200



19.8257, 0.2951, 0.3253



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.



66.7212, 0.2624, 0.3169



77.3059, 0.2540, 0.3142



47.5813, 0.2557, 0.2664



16.7860, 0.2981, 0.3260



28.0305, 0.2138, 0.2896



2.2903, 0.2154, 0.2956

Inverse Universe

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



46.2043, 0.3253, 0.2530



49.6329, 0.3282, 0.2387



63.1580, 0.3753, 0.3843



15.2799, 0.3157, 0.3086



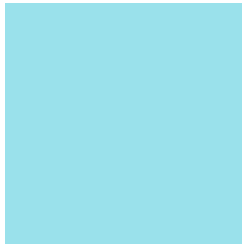
12.3225, 0.3547, 0.1728



0.9766, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 66.7186, 0.2624, 0.3169 looks on a white background.

Color Contrast Check

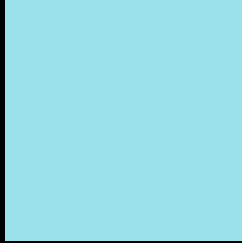
Large Text (above 18pt) WCAG AA × Fail

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 66.7186, 0.2624, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

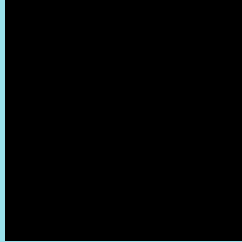
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7186, 0.2624, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 66.7186, 0.2624, 0.3169.

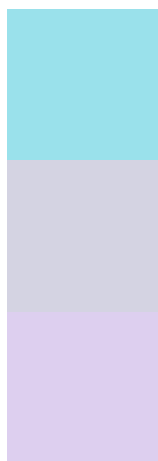


This preview shows how white text looks on a background with the Yxy color 66.7186, 0.2624, 0.3169.

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

66.7186, 0.2624, 0.3169

Protanopia

66.0766, 0.3033, 0.3123

Deuteranopia

66.2298, 0.3012, 0.2946



Tritanopia

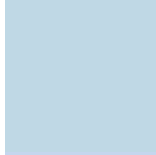
66.7900, 0.2597, 0.3076

Trichromacy



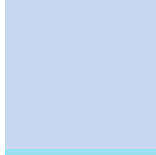
Original Color

66.7186, 0.2624, 0.3169



Protanomaly

65.8452, 0.2870, 0.3140



Deuteranomaly

66.1365, 0.2854, 0.3020



Tritanomaly

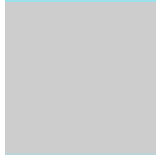
66.5119, 0.2607, 0.3111

Monochromacy



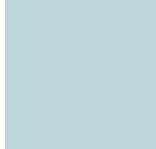
Original Color

66.7186, 0.2624, 0.3169



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.4839, 0.2915, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7186, 0.2624, 0.3169 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(154, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 235)  
}
```

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(154, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 235) }
```

Border

The CSS property to change the border of an element to Yxy 66.7186, 0.2624, 0.3169 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(154, 225, 235) }
```

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

```
.border{ border-color:rgb(154, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(154, 225,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7186, 0.2624, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 225, 235) }
```

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

```
.background{ background-color: rgb(154,  
225, 235) }
```

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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