

Converting Colors

$Yxy(69.5057, 0.2732, 0.3159)$

Have a look what the booklet for
Yxy(69.5057, 0.2732, 0.3159)
contains.

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Color

Yxy(69.6211, 0.2732, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	AFE2ED
RGB	175, 226, 237
RGB Percent	69%, 89%, 93%
CMY	0.3140, 0.1137, 0.0705
CMYK	0.26, 0.05, 0.00, 0.07
HSL	191°, 63%, 81%
HSV	191°, 26%, 93%
XYZ	60.1533, 69.6211, 90.4061
YIQ	212.0050, -33.9270, -7.3910

Conversions

Conversions Part 2

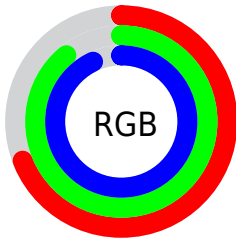
Format	Color
R _{YB}	175, 203, 237
Decimal	11526893
CIE _{Lab}	86.81, -13.87, -10.72
CIE _{LCh}	87, 17.527, 217.705
Y _{xy}	69.6211, 0.2732, 0.3162
Android (android.graphics.Color)	4289716973 (0xFFAFE2ED)
YUV	212.0050, 12.3225, -32.4534
Hunter-Lab	83.4393, -17.3338, -5.8330

Details

The Yxy color **69.6211, 0.2732, 0.3162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.1963, 0.3658, 0.3414**, and the grayscale version is **65.7698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **36.5270, 0.2644, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **64.8611, 0.2594, 0.3106**, and if you desaturate by 10%, it is **74.9241, 0.2879, 0.3214**.

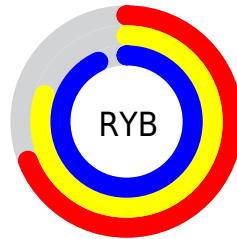
Distribution



Red (69%)

Green (89%)

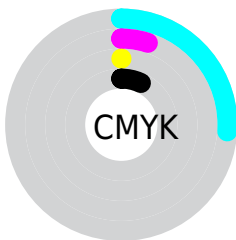
Blue (93%)



Red (69%)

Yellow (80%)

Blue (93%)

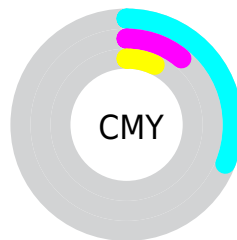


Cyan (26%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (31%)


Magenta (11%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6211, 0.2732, 0.3162 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 69.6211, 0.2732, 0.3162 by changing the saturation by 10% instead.


 69.6211, 0.2732,
0.3162

 69.6211, 0.2732,
0.3162

459.2185, 0.2914,
0.3224

 51.2177, 0.2691,
0.3147


 118.6683, 0.2795,
0.3184

 36.3819, 0.2640,
0.3128


150.0808, 0.2819,
0.3193

 24.7293, 0.2576,
0.3103


186.5985, 0.2841,
0.3200

 15.8755, 0.2492,
0.3070

228.6058, 0.2859,
0.3206

 9.4361, 0.2380,
0.3023

276.4871, 0.2875,
0.3212

 5.0267, 0.2220,
0.2952

330.6267, 0.2890,

 2.2629, 0.1976,

0.3216

0.2833

391.4090, 0.2902,
0.3221

0.7540, 0.1332,
0.2656

0.0000, 0.0000,
0.0000

69.6211, 0.2732,
0.3162

69.6211, 0.2732,
0.3162

64.8611, 0.2594,
0.3106

74.9241, 0.2879,
0.3214

60.6100, 0.2468,
0.3046

80.7853, 0.3031,
0.3262

56.8428, 0.2356,
0.2984

87.2297, 0.3186,
0.3306

53.5287, 0.2262,
0.2921

91.3732, 0.3243,
0.3347

■ 50.6329, 0.2187,
0.2856

■ 93.9151, 0.3239,
0.3387

■ 48.1148, 0.2132,
0.2792

■ 96.5150, 0.3235,
0.3428

■ 45.9240, 0.2096,
0.2728

■ 98.8959, 0.3232,
0.3463

■ 45.1453, 0.2084,
0.2704

Harmonies

Analogous

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



69.6211, 0.2833, 0.3361



69.6211, 0.2732, 0.3162



69.6211, 0.2732, 0.3008

Triad

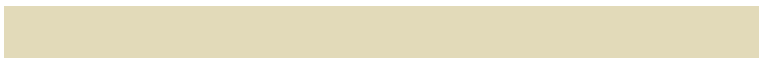
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6211, 0.2732, 0.3162



69.6211, 0.3233, 0.3054



69.6211, 0.3421, 0.3657

Complementary

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



69.6211, 0.2732, 0.3162



56.1963, 0.3658, 0.3414

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.



69.6211, 0.3536, 0.3558



69.6211, 0.2732, 0.3162



69.6211, 0.3427, 0.3213

Square

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



69.6211, 0.2732, 0.3162



69.6211, 0.3016, 0.2953



69.6211, 0.3539, 0.3395



69.6211, 0.3228, 0.3655

Rectangle

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



69.6211, 0.2732, 0.3162



69.6211, 0.2790, 0.2949



69.6211, 0.3539, 0.3395



69.6211, 0.3470, 0.3634

Sweetspot

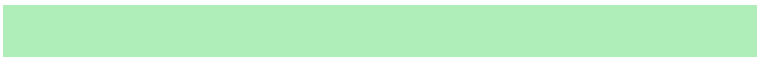
The Sweet Spot groups the original color and five complimentary colors.



69.6239, 0.2732, 0.3162



94.0480, 0.3003, 0.3254



73.2041, 0.3032, 0.3912



19.9012, 0.2980, 0.3247



0.0000, 0.0000, 0.0000



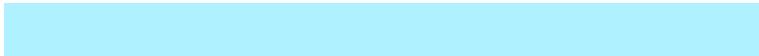
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6239, 0.2732, 0.3162



79.3453, 0.2663, 0.3135



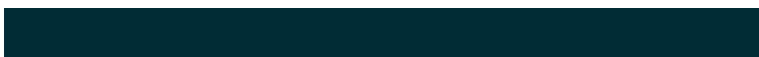
54.5370, 0.2697, 0.2796



16.6411, 0.2981, 0.3247



24.8168, 0.2087, 0.2714



2.0676, 0.2112, 0.2803

Inverse Universe

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



54.1361, 0.3245, 0.2746



58.6410, 0.3272, 0.2642



70.3817, 0.3575, 0.3739



15.2653, 0.3165, 0.3098



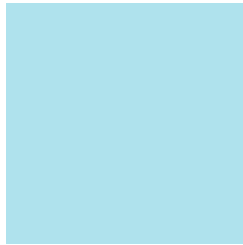
11.9981, 0.3715, 0.1820



0.9541, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 69.6211, 0.2732, 0.3162 looks on a white background.

Color Contrast Check

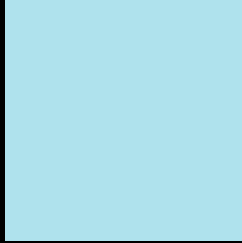
Large Text (above 18pt) WCAG AA × Fail

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 69.6211, 0.2732, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

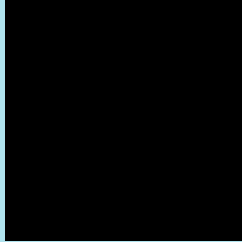
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6211, 0.2732, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 69.6211, 0.2732, 0.3162.

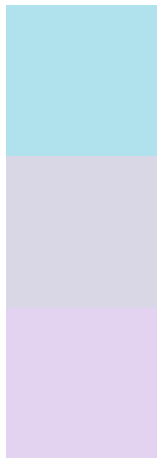


This preview shows how white text looks on a background with the Yxy color 69.6211, 0.2732, 0.3162.

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

69.6211, 0.2732, 0.3162

Protanopia

69.0658, 0.3042, 0.3126

Deuteranopia

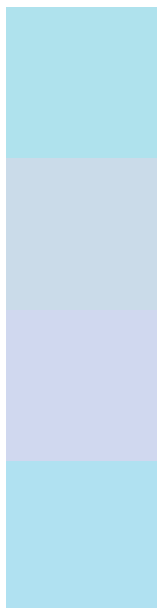
69.2107, 0.3048, 0.2983



Tritanopia

69.5516, 0.2705, 0.3083

Trichromacy



Original Color

69.6211, 0.2732, 0.3162

Protanomaly

69.1028, 0.2920, 0.3133

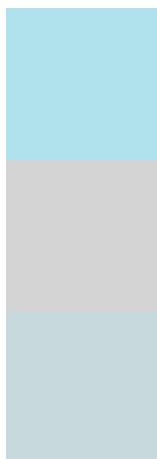
Deuteranomaly

68.7536, 0.2922, 0.3038

Tritanomaly

69.4314, 0.2715, 0.3106

Monochromacy



Original Color

69.6211, 0.2732, 0.3162

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.9883, 0.2974, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6211, 0.2732, 0.3162 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, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 237)  
}
```

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, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 237) }
```

Border

The CSS property to change the border of an element to Yxy 69.6211, 0.2732, 0.3162 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, 226, 237) }
```

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

```
.border{ border-color:rgb(175, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(175, 226,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6211, 0.2732, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 237) }
```

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

```
.background{ background-color: rgb(175,  
226, 237) }
```

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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