

Converting Colors

Yxy(65.9849, 0.2612, 0.3157)

Have a look what the booklet for
Yxy(65.9849, 0.2612, 0.3157)
contains.

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Color

Yxy(65.9849, 0.2612, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	98E0EB
RGB	152, 224, 235
RGB Percent	60%, 88%, 92%
CMY	0.4040, 0.1215, 0.0785
CMYK	0.35, 0.05, 0.00, 0.08
HSL	188°, 67%, 76%
HSV	188°, 35%, 92%
XYZ	54.5938, 65.9849, 88.4327
YIQ	203.7260, -46.4430, -11.8430

Conversions

Conversions Part 2

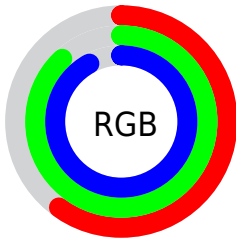
Format	Color
R_{YB}	152, 191, 235
Decimal	10019051
CIE _{Lab}	84.99, -19.67, -12.48
CIE _{LCh}	85, 23.295, 212.402
Yxy	65.9849, 0.2612, 0.3157
Android (android.graphics.Color)	4288209131 (0xFF98E0EB)
YUV	203.7260, 15.4181, -45.3637
Hunter-Lab	81.2311, -22.1882, -7.6847

Details

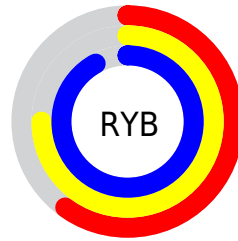
The Yxy color **65.9849, 0.2612, 0.3157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0984, 0.3929, 0.3417**, and the grayscale version is **60.1229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **34.1720, 0.2495, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **62.2877, 0.2489, 0.3113**, and if you desaturate by 10%, it is **70.1668, 0.2748, 0.3198**.

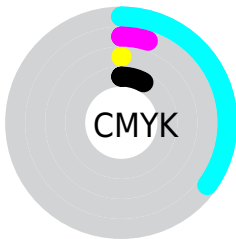
Distribution



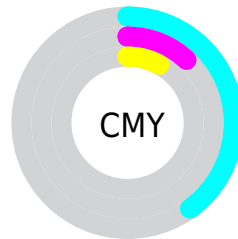
- Red (60%)
- Green (88%)
- Blue (92%)



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



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9849, 0.2612, 0.3157 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 65.9849, 0.2612, 0.3157 by changing the saturation by 10% instead.


 65.9849, 0.2612,
0.3157


 65.9849, 0.2612,
0.3157


446.3229, 0.2850,
0.3224

 48.2601, 0.2558,
0.3140


 113.4647, 0.2695,
0.3182

 34.0329, 0.2491,
0.3119

 143.9885, 0.2727,
0.3191

 22.9189, 0.2407,
0.3090


179.5474, 0.2754,
0.3198

 14.5336, 0.2297,
0.3051

220.5258, 0.2778,
0.3205

 8.4927, 0.2149,
0.2995

267.3082, 0.2800,
0.3211

 4.4118, 0.1939,
0.2906

320.2789, 0.2818,

 1.9065, 0.1622,

0.3216

379.8224, 0.2835,
0.3220

0.2752

0.5523, 0.0207,
0.2550

0.0000, 0.0000,
0.0000

65.9849, 0.2612,
0.3157

65.9849, 0.2612,
0.3157

62.2877, 0.2489,
0.3113

70.1668, 0.2748,
0.3198

59.0406, 0.2382,
0.3068

74.8503, 0.2893,
0.3237

56.2165, 0.2293,
0.3022

80.0607, 0.3045,
0.3272

53.7821, 0.2222,
0.2975

85.8195, 0.3200,
0.3305

■ 51.6985, 0.2172,
0.2928

■ 89.2984, 0.3259,
0.3335

■ 49.9178, 0.2139,
0.2882

■ 91.1364, 0.3256,
0.3365

■ 49.1529, 0.2128,
0.2860

■ 93.0058, 0.3253,
0.3395

■ 94.9067, 0.3250,
0.3425

■ 96.8393, 0.3247,
0.3454

Harmonies

Analogous

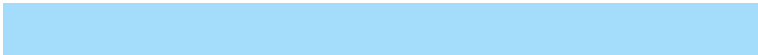
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9849, 0.2767, 0.3433



65.9849, 0.2612, 0.3157



65.9849, 0.2589, 0.2937

Triad

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



65.9849, 0.2612, 0.3157



65.9849, 0.3216, 0.2944



65.9849, 0.3560, 0.3771

Complementary

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



65.9849, 0.2612, 0.3157



46.0984, 0.3929, 0.3417

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.



65.9849, 0.3695, 0.3612



65.9849, 0.2612, 0.3157



65.9849, 0.3492, 0.3143

Square

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



65.9849, 0.2612, 0.3157



65.9849, 0.2926, 0.2828



65.9849, 0.3671, 0.3383



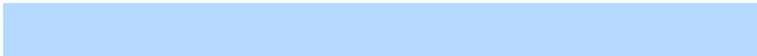
65.9849, 0.3311, 0.3801

Rectangle

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



65.9849, 0.2612, 0.3157



65.9849, 0.2649, 0.2847



65.9849, 0.3671, 0.3383



65.9849, 0.3621, 0.3729

Sweetspot

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



65.9875, 0.2612, 0.3157



92.7219, 0.2957, 0.3252



68.6705, 0.3024, 0.4226



19.6661, 0.2936, 0.3248



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.



65.9875, 0.2612, 0.3157



76.3317, 0.2526, 0.3127



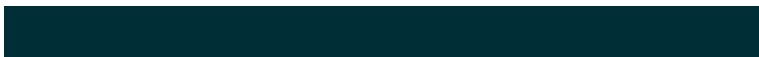
46.8667, 0.2542, 0.2646



16.7627, 0.2981, 0.3258



27.4993, 0.2130, 0.2868



2.2537, 0.2148, 0.2932

Inverse Universe

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



45.4911, 0.3263, 0.2519



48.7507, 0.3295, 0.2374



62.7108, 0.3771, 0.3857



15.2775, 0.3158, 0.3088



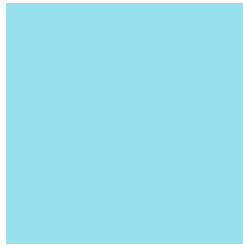
12.2689, 0.3573, 0.1742



0.9729, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 65.9849, 0.2612, 0.3157 looks on a white background.

Color Contrast Check

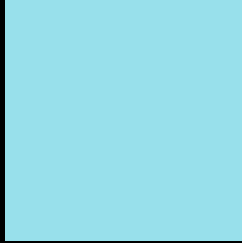
Large Text (above 18pt) WCAG AA × Fail

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 65.9849, 0.2612, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

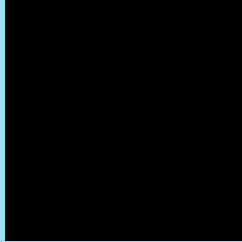
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9849, 0.2612, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 65.9849, 0.2612, 0.3157.

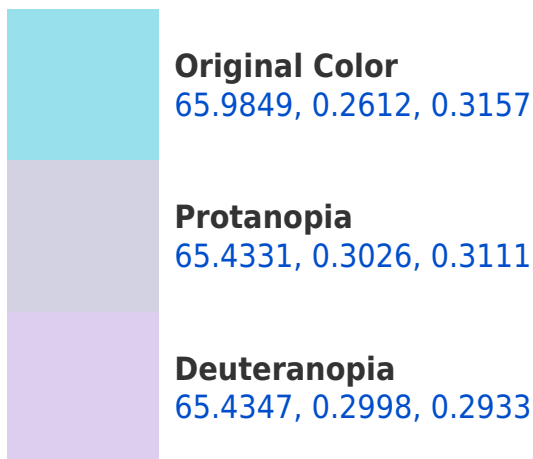


This preview shows how white text looks on a background with the Yxy color 65.9849, 0.2612, 0.3157.

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





Tritanopia

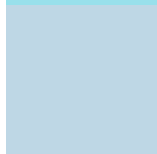
65.8985, 0.2585, 0.3075

Trichromacy



Original Color

65.9849, 0.2612, 0.3157



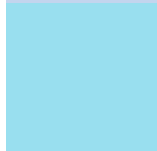
Protanomaly

65.2052, 0.2863, 0.3128



Deuteranomaly

65.3636, 0.2840, 0.3007



Tritanomaly

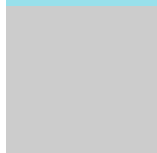
65.7797, 0.2595, 0.3098

Monochromacy



Original Color

65.9849, 0.2612, 0.3157



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

61.8091, 0.2914, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9849, 0.2612, 0.3157 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(152, 224, 235)` looks like.

```
.text, #text, p{  
    color:rgb(152, 224, 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(152, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 224, 235) }
```

Border

The CSS property to change the border of an element to Yxy 65.9849, 0.2612, 0.3157 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(152, 224, 235) }
```

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

```
.border{ border-color:rgb(152, 224, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 224, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(152, 224,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9849, 0.2612, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 224, 235) }
```

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

```
.background{ background-color: rgb(152,  
224, 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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