

Converting Colors

Yxy(66.6617, 0.2965, 0.4062)

Have a look what the booklet for
Yxy(66.6617, 0.2965, 0.4062)
contains.

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Color

Yxy(66.6714, 0.2965, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	97E7AB
RGB	151, 231, 171
RGB Percent	59%, 91%, 67%
CMY	0.4081, 0.0940, 0.3294
CMYK	0.35, 0.00, 0.26, 0.09
HSL	135°, 63%, 75%
HSV	135°, 35%, 91%
XYZ	48.6778, 66.6714, 48.8256
YIQ	200.2400, -28.4200, -35.6200

Conversions

Conversions Part 2

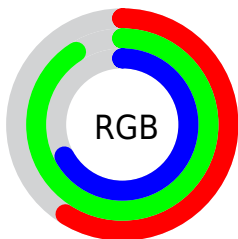
Format	Color
RYB	151, 215, 231
Decimal	9955243
CIELab	85.34, -36.76, 21.64
CIELCh	85, 42.658, 149.520
Yxy	66.6714, 0.2965, 0.4061
Android (android.graphics.Color)	4288145323 (0xFF97E7AB)
YUV	200.2400, -14.4153, -43.1835
Hunter-Lab	81.6526, -36.4777, 21.7033

Details

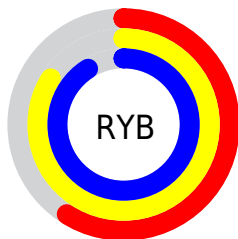
The Yxy color **66.6714, 0.2965, 0.4061** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.8023, 0.3346, 0.2628**, and the grayscale version is **58.0094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3314, 0.2992, 0.3587**, and **34.5093, 0.2919, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **64.0599, 0.2926, 0.4333**, and if you desaturate by 10%, it is **69.8079, 0.3009, 0.3809**.

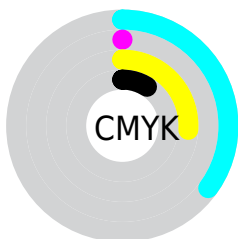
Distribution



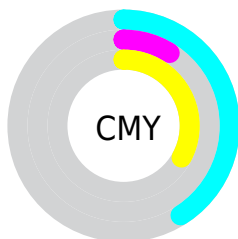
- Red (59%)
- Green (91%)
- Blue (67%)



- Red (59%)
- Yellow (84%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)




- Cyan (41%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6714, 0.2965, 0.4061 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 66.6714, 0.2965, 0.4061 by changing the saturation by 10% instead.


 66.6714, 0.2965,
0.4061


 66.6714, 0.2965,
0.4061


448.7742, 0.3051,
0.3680

 48.8176, 0.2942,
0.4154

 114.4494, 0.2997,
0.3924

 34.4748, 0.2913,
0.4273


 145.1425, 0.3009,
0.3872

 23.2586, 0.2873,
0.4429


180.8841, 0.3019,
0.3828

 14.7846, 0.2815,
0.4642


222.0587, 0.3027,
0.3790

 8.6683, 0.2727,
0.4949

269.0505, 0.3034,
0.3757

 4.5255, 0.2578,
0.5426

322.2442, 0.3040,

 1.9716, 0.2369,

0.3728

0.6520

382.0239, 0.3046,
0.3703

■ 0.5909, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6714, 0.2965,
0.4061

■ 66.6714, 0.2965,
0.4061

■ 64.0599, 0.2926,
0.4333

■ 69.8079, 0.3009,
0.3809

■ 61.9364, 0.2896,
0.4618

■ 73.4876, 0.3057,
0.3580

■ 60.2719, 0.2878,
0.4905

■ 77.7380, 0.3105,
0.3377

■ 59.0312, 0.2874,
0.5181

■ 82.5821, 0.3152,
0.3197

■ 58.1733, 0.2884,
0.5429

■ 85.6420, 0.3138,
0.3058

■ 57.6490, 0.2909,
0.5636

■ 57.4662, 0.2924,
0.5727

Harmonies

Analogous

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



66.6714, 0.3486, 0.4252



66.6714, 0.2965, 0.4061



66.6714, 0.2512, 0.3596

Triad

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



66.6714, 0.2965, 0.4061



66.6714, 0.2344, 0.2472



66.6714, 0.4108, 0.3384

Complementary

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



66.6714, 0.2965, 0.4061



43.8023, 0.3346, 0.2628

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.



66.6714, 0.3749, 0.2983



66.6714, 0.2965, 0.4061



66.6714, 0.2712, 0.2478

Square

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



66.6714, 0.2965, 0.4061



66.6714, 0.2178, 0.2669



66.6714, 0.3224, 0.2662



66.6714, 0.4170, 0.3795

Rectangle

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



66.6714, 0.2965, 0.4061



66.6714, 0.2303, 0.3237



66.6714, 0.3224, 0.2662



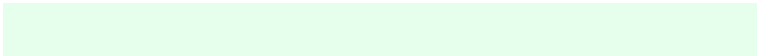
66.6714, 0.4017, 0.3245

Sweetspot

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



66.6742, 0.2965, 0.4061



94.3100, 0.3079, 0.3483



73.2422, 0.3498, 0.4199



20.0278, 0.3072, 0.3512



0.0000, 0.0000, 0.0000



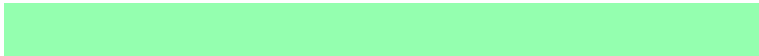
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6742, 0.2965, 0.4061



80.8911, 0.2935, 0.4265



68.4372, 0.2743, 0.3536



16.1481, 0.3082, 0.3471



32.2274, 0.2917, 0.5702



2.3961, 0.2839, 0.5420

Inverse Universe

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



43.8023, 0.3346, 0.2628



48.0193, 0.3408, 0.2486



42.0398, 0.3741, 0.3062



14.5503, 0.3176, 0.3116



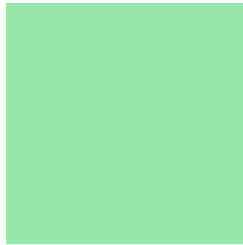
11.2394, 0.3962, 0.1956



0.8452, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 66.6714, 0.2965, 0.4061 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 66.6714, 0.2965, 0.4061 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

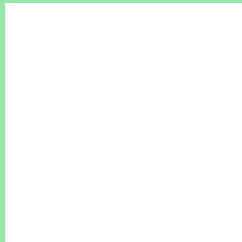
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6714, 0.2965, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 66.6714, 0.2965, 0.4061.

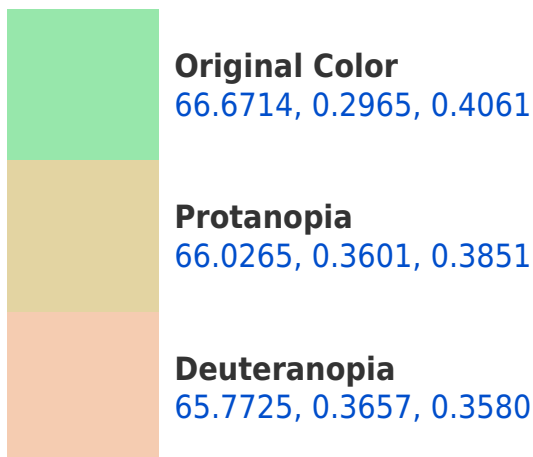


This preview shows how white text looks on a background with the Yxy color 66.6714, 0.2965, 0.4061.

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

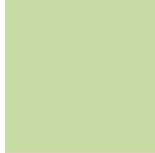
66.5332, 0.2654, 0.3078

Trichromacy



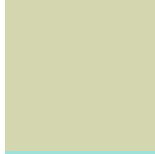
Original Color

66.6714, 0.2965, 0.4061



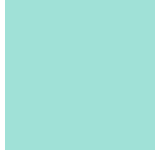
Protanomaly

65.5218, 0.3344, 0.3935



Deuteranomaly

65.0372, 0.3376, 0.3744



Tritanomaly

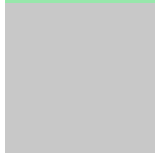
66.2303, 0.2765, 0.3411

Monochromacy



Original Color

66.6714, 0.2965, 0.4061



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.2077, 0.3063, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6714, 0.2965, 0.4061 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(151, 231, 171)` looks like.

```
.text, #text, p{  
    color:rgb(151, 231, 171)  
}
```

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(151, 231, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 231, 171) }
```

Border

The CSS property to change the border of an element to Yxy 66.6714, 0.2965, 0.4061 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(151, 231, 171) }
```

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

```
.border{ border-color:rgb(151, 231, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 231, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 231, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 231, 171); box-shadow:4px 4px 4px 4px rgb(151, 231, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6714, 0.2965, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 231, 171) }
```

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

```
.background{ background-color: rgb(151,  
231, 171) }
```

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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