

Converting Colors

$Yxy(66.7067, 0.3013, 0.3703)$

Have a look what the booklet for
Yxy(66.7067, 0.3013, 0.3703)
contains.

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Color

Yxy(66.9591, 0.3013, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	B1E1BF
RGB	177, 225, 191
RGB Percent	69%, 88%, 75%
CMY	0.3057, 0.1177, 0.2509
CMYK	0.21, 0.00, 0.15, 0.12
HSL	137°, 44%, 79%
HSV	137°, 21%, 88%
XYZ	54.4675, 66.9591, 59.3485
YIQ	206.7720, -17.6940, -20.7500

Conversions

Conversions Part 2

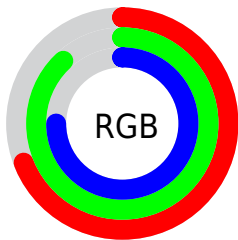
Format	Color
RYB	177, 214, 225
Decimal	11657663
CIELab	85.48, -22.12, 11.60
CIELCh	85, 24.977, 152.331
Yxy	66.9591, 0.3013, 0.3704
Android (android.graphics.Color)	4289847743 (0xFFB1E1BF)
YUV	206.7720, -7.7756, -26.1100
Hunter-Lab	81.8285, -24.3850, 14.2782

Details

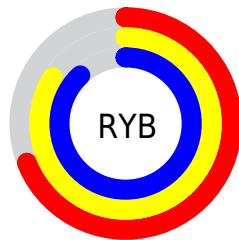
The Yxy color **66.9591, 0.3013, 0.3704** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.1707, 0.3264, 0.2909**, and the grayscale version is **62.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5590, 0.3038, 0.3369**, and **34.8695, 0.2981, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **63.8690, 0.2963, 0.3934**, and if you desaturate by 10%, it is **70.5669, 0.3066, 0.3497**.

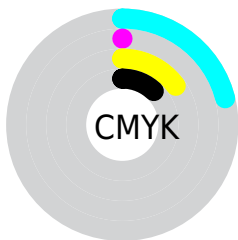
Distribution



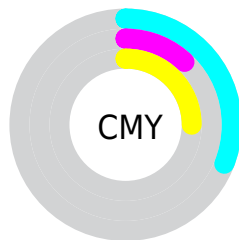
- Red (69%)
- Green (88%)
- Blue (75%)



- Red (69%)
- Yellow (84%)
- Blue (88%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)





- Cyan (31%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9591, 0.3013, 0.3704 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 66.9591, 0.3013, 0.3704 by changing the saturation by 10% instead.

 66.9591, 0.3013,
0.3704

 66.9591, 0.3013,
0.3704


449.7992, 0.3070,
0.3504

 49.0514, 0.2999,
0.3752


 114.8618, 0.3033,
0.3633

 34.6602, 0.2981,
0.3813


145.6256, 0.3041,
0.3605

 23.4013, 0.2958,
0.3892

181.4435, 0.3048,
0.3582

 14.8901, 0.2926,
0.3999

222.7000, 0.3053,
0.3562

 8.7423, 0.2879,
0.4151

269.7794, 0.3058,
0.3545

 4.5735, 0.2805,
0.4386


323.0661, 0.3062,

 1.9992, 0.2671,


0.3529


0.4792


382.9446, 0.3066,
0.3516


 0.6070, 0.0574,
0.9426


 0.0000, 0.0000,
0.0000


 66.9591, 0.3013,
0.3704


 66.9591, 0.3013,
0.3704


 63.8690, 0.2963,
0.3934


 70.5669, 0.3066,
0.3497


 61.2644, 0.2917,
0.4184

 74.7061, 0.3120,
0.3313

 59.1223, 0.2881,
0.4451

 79.4004, 0.3173,
0.3150

 57.4148, 0.2856,
0.4724

 82.3147, 0.3142,
0.3001

■ 56.1105, 0.2845,
0.4995

■ 82.3283, 0.3141,
0.2999

■ 55.1738, 0.2850,
0.5249

■ 54.5625, 0.2872,
0.5473

■ 54.2363, 0.2899,
0.5637

Harmonies

Analogous

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



66.9591, 0.3323, 0.3837



66.9591, 0.3013, 0.3704



66.9591, 0.2743, 0.3443

Triad

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



66.9591, 0.3013, 0.3704



66.9591, 0.2672, 0.2792



66.9591, 0.3708, 0.3387

Complementary

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



66.9591, 0.3013, 0.3704



52.1707, 0.3264, 0.2909

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.



66.9591, 0.3516, 0.3132



66.9591, 0.3013, 0.3704



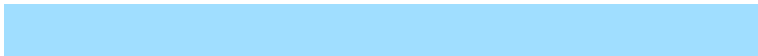
66.9591, 0.2912, 0.2799

Square

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



66.9591, 0.3013, 0.3704



66.9591, 0.2554, 0.2913



66.9591, 0.3220, 0.2922



66.9591, 0.3733, 0.3631

Rectangle

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



66.9591, 0.3013, 0.3704



66.9591, 0.2619, 0.3243



66.9591, 0.3220, 0.2922



66.9591, 0.3660, 0.3300

Sweetspot

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



66.9619, 0.3013, 0.3704



96.5340, 0.3095, 0.3397



70.9334, 0.3346, 0.3838



20.5849, 0.3091, 0.3409



0.0000, 0.0000, 0.0000



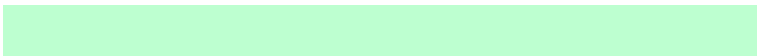
21.4041, 0.3127, 0.3290

Same Dimension

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



66.9619, 0.3013, 0.3704



86.8553, 0.2988, 0.3813



68.0859, 0.2871, 0.3413



15.4026, 0.3076, 0.3461



31.2724, 0.2892, 0.5610



2.1829, 0.2806, 0.5300

Inverse Universe

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



52.1707, 0.3264, 0.2909



63.5641, 0.3302, 0.2819



51.0726, 0.3465, 0.3171



13.8640, 0.3182, 0.3125



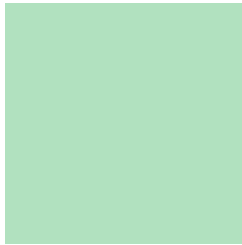
10.6970, 0.4110, 0.2038



0.7568, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 66.9591, 0.3013, 0.3704 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 66.9591, 0.3013, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

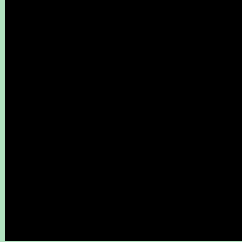
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

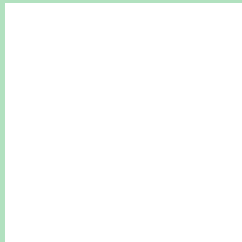
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9591, 0.3013, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 66.9591, 0.3013, 0.3704.



This preview shows how white text looks on a background with the Yxy color 66.9591, 0.3013, 0.3704.

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

66.9591, 0.3013, 0.3704

Protanopia

66.2777, 0.3402, 0.3594

Deuteranopia

66.1280, 0.3475, 0.3399



Tritanopia

67.0335, 0.2792, 0.3095

Trichromacy



Original Color

66.9591, 0.3013, 0.3704

Protanomaly

66.3354, 0.3250, 0.3639

Deuteranomaly

65.7337, 0.3291, 0.3495

Tritanomaly

66.8253, 0.2868, 0.3301

Monochromacy



Original Color

66.9591, 0.3013, 0.3704

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.0459, 0.3084, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9591, 0.3013, 0.3704 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(177, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 225, 191)  
}
```

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(177, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 225, 191) }
```

Border

The CSS property to change the border of an element to Yxy 66.9591, 0.3013, 0.3704 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(177, 225, 191) }
```

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

```
.border{ border-color:rgb(177, 225, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 225, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 225,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9591, 0.3013, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 225, 191) }
```

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

```
.background{ background-color: rgb(177,  
225, 191) }
```

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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