

Converting Colors

$Yxy(70.7671, 0.3046, 0.3557)$

Have a look what the booklet for
Yxy(70.7671, 0.3046, 0.3557)
contains.

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Color

Yxy(70.7671, 0.3046, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	C2E3CC
RGB	194, 227, 204
RGB Percent	76%, 89%, 80%
CMY	0.2395, 0.1097, 0.2000
CMYK	0.15, 0.00, 0.10, 0.11
HSL	138°, 37%, 83%
HSV	138°, 15%, 89%
XYZ	60.6007, 70.7671, 67.5839
YIQ	214.5110, -12.2850, -14.1490

Conversions

Conversions Part 2

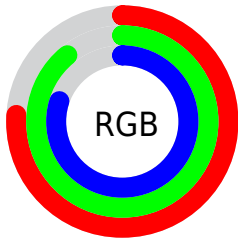
Format	Color
RYB	194, 219, 227
Decimal	12772300
CIELab	87.37, -15.22, 7.62
CIELCh	87, 17.025, 153.402
Yxy	70.7671, 0.3046, 0.3557
Android (android.graphics.Color)	4290962380 (0xFFC2E3CC)
YUV	214.5110, -5.1819, -17.9881
Hunter-Lab	84.1232, -18.6277, 11.2531

Details

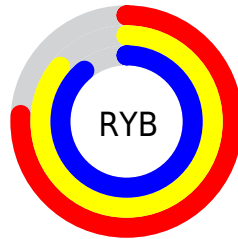
The Yxy color **70.7671, 0.3046, 0.3557** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.8933, 0.3219, 0.3037**, and the grayscale version is **67.6420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **37.2825, 0.3024, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **67.2735, 0.2992, 0.3768**, and if you desaturate by 10%, it is **74.8024, 0.3102, 0.3369**.

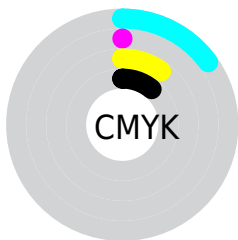
Distribution



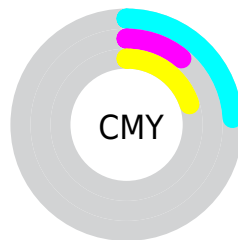
- Red (76%)
- Green (89%)
- Blue (80%)



- Red (76%)
- Yellow (86%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7671, 0.3046, 0.3557 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 70.7671, 0.3046, 0.3557 by changing the saturation by 10% instead.

70.7671, 0.3046,
0.3557

70.7671, 0.3046,
0.3557

463.2389, 0.3085,
0.3430

52.1522, 0.3037,
0.3587

120.3020, 0.3060,
0.3512

37.1264, 0.3025,
0.3624

151.9908, 0.3065,
0.3495

25.3053, 0.3010,
0.3672

188.8064, 0.3070,
0.3481

16.3047, 0.2990,
0.3736

231.1330, 0.3074,
0.3468

9.7400, 0.2961,
0.3825

279.3552, 0.3077,
0.3457

5.2269, 0.2917,
0.3960


333.8573, 0.3080,

2.3810, 0.2843,


0.3447


0.4183


395.0237, 0.3083,
0.3438


 0.8161, 0.2564,
0.5179


 0.0000, 0.0000,
0.0000


 70.7671, 0.3046,
0.3557


 70.7671, 0.3046,
0.3557


 67.2735, 0.2992,
0.3768


 74.8024, 0.3102,
0.3369

 64.2895, 0.2941,
0.4001

 79.3921, 0.3157,
0.3203

 61.7935, 0.2897,
0.4252

 83.2011, 0.3163,
0.3053

 59.7586, 0.2863,
0.4517

 83.4314, 0.3140,
0.3019

■ 58.1553, 0.2842,
0.4787

■ 56.9505, 0.2836,
0.5051

■ 56.1061, 0.2847,
0.5295

■ 55.5759, 0.2873,
0.5508

■ 55.3813, 0.2891,
0.5608

Harmonies

Analogous

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



70.7671, 0.3254, 0.3649



70.7671, 0.3046, 0.3557



70.7671, 0.2864, 0.3386

Triad

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



70.7671, 0.3046, 0.3557



70.7671, 0.2825, 0.2952



70.7671, 0.3516, 0.3367

Complementary

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



70.7671, 0.3046, 0.3557



59.8933, 0.3219, 0.3037

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.



70.7671, 0.3393, 0.3191



70.7671, 0.3046, 0.3557



70.7671, 0.2991, 0.2957

Square

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



70.7671, 0.3046, 0.3557



70.7671, 0.2739, 0.3035



70.7671, 0.3199, 0.3043



70.7671, 0.3530, 0.3530

Rectangle

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



70.7671, 0.3046, 0.3557



70.7671, 0.2780, 0.3256



70.7671, 0.3199, 0.3043



70.7671, 0.3486, 0.3307

Sweetspot

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



70.7701, 0.3046, 0.3557



97.6677, 0.3105, 0.3359



73.6094, 0.3273, 0.3659



20.8138, 0.3101, 0.3372



0.0000, 0.0000, 0.0000



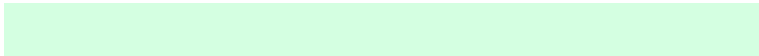
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7701, 0.3046, 0.3557



90.8920, 0.3032, 0.3608



71.5998, 0.2946, 0.3365



16.1609, 0.3074, 0.3458



32.3090, 0.2884, 0.5582



2.4036, 0.2802, 0.5288

Inverse Universe

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



59.8933, 0.3219, 0.3037



74.5722, 0.3237, 0.2992



59.0813, 0.3346, 0.3217



14.5367, 0.3184, 0.3128



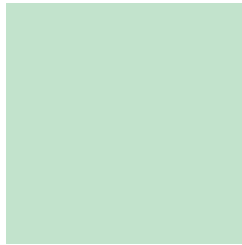
10.9854, 0.4158, 0.2064



0.8281, 0.3986, 0.1970

Previews

White Background



This preview shows how the Yxy color 70.7671, 0.3046, 0.3557 looks on a white background.

Color Contrast Check

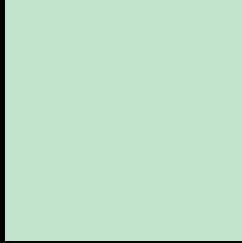
Large Text (above 18pt) WCAG AA × Fail

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 70.7671, 0.3046, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

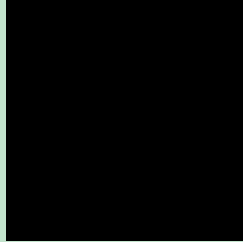
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

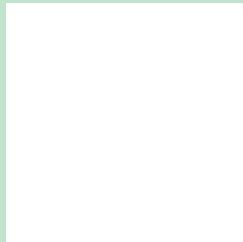
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7671, 0.3046, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 70.7671, 0.3046, 0.3557.



This preview shows how white text looks on a background with the Yxy color 70.7671, 0.3046, 0.3557.

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

70.7671, 0.3046, 0.3557

Protanopia

70.5972, 0.3323, 0.3499

Deuteranopia

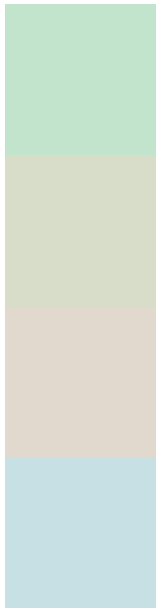
70.3266, 0.3406, 0.3333



Tritanopia

70.8132, 0.2866, 0.3091

Trichromacy



Original Color

70.7671, 0.3046, 0.3557

Protanomaly

70.3770, 0.3217, 0.3515

Deuteranomaly

70.2507, 0.3268, 0.3411

Tritanomaly

70.8631, 0.2932, 0.3256

Monochromacy



Original Color

70.7671, 0.3046, 0.3557

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.6316, 0.3094, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7671, 0.3046, 0.3557 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(194, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(194, 227, 204)  
}
```

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(194, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 227, 204) }
```

Border

The CSS property to change the border of an element to Yxy 70.7671, 0.3046, 0.3557 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(194, 227, 204) }
```

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

```
.border{ border-color:rgb(194, 227, 204) }
```

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

Here you see how a box with a 4 pixel rgb(194, 227, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(194, 227,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7671, 0.3046, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 227, 204) }
```

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

```
.background{ background-color: rgb(194,  
227, 204) }
```

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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