

Converting Colors

$Yxy(66.4593, 0.3083, 0.3977)$

Have a look what the booklet for
Yxy(66.4593, 0.3083, 0.3977)
contains.

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Color

Yxy(66.4628, 0.3082, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	AAE3AC
RGB	170, 227, 172
RGB Percent	67%, 89%, 67%
CMY	0.3330, 0.1098, 0.3254
CMYK	0.25, 0.00, 0.24, 0.11
HSL	122°, 50%, 78%
HSV	122°, 25%, 89%
XYZ	51.5057, 66.4628, 49.1494
YIQ	203.6870, -16.3170, -29.1890

Conversions

Conversions Part 2

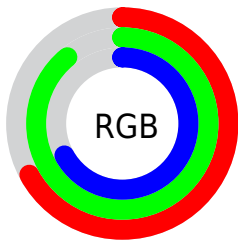
Format	Color
RYB	170, 225, 227
Decimal	11199404
CIELab	85.23, -28.71, 21.12
CIElCh	85, 35.636, 143.659
Yxy	66.4628, 0.3082, 0.3977
Android (android.graphics.Color)	4289389484 (0xFFFAE3AC)
YUV	203.6870, -15.6217, -29.5435
Hunter-Lab	81.5247, -29.8954, 21.3227

Details

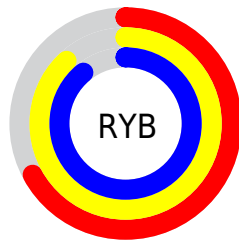
The Yxy color **66.4628, 0.3082, 0.3977** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.5456, 0.3172, 0.2687**, and the grayscale version is **60.2947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2902, 0.3102, 0.3567**, and **34.1707, 0.3061, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **63.3748, 0.3062, 0.4305**, and if you desaturate by 10%, it is **70.1322, 0.3101, 0.3678**.

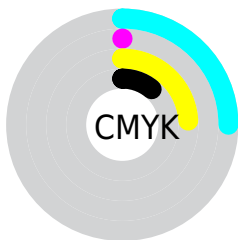
Distribution



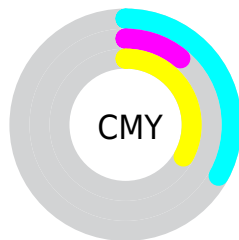
- Red (67%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (88%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





- Cyan (33%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4628, 0.3082, 0.3977 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 66.4628, 0.3082, 0.3977 by changing the saturation by 10% instead.

 66.4628, 0.3082,
0.3977

 66.4628, 0.3082,
0.3977


448.0302, 0.3111,
0.3640

 48.6482, 0.3073,
0.4059


 114.1503, 0.3094,
0.3856

 34.3405, 0.3061,
0.4163


144.7920, 0.3098,
0.3810

 23.1553, 0.3044,
0.4299


180.4782, 0.3101,
0.3771

 14.7082, 0.3017,
0.4484

221.5933, 0.3104,
0.3738

 8.6149, 0.2973,
0.4749

268.5216, 0.3106,
0.3708

 4.4908, 0.2890,
0.5159

321.6476, 0.3108,

 1.9517, 0.2810,

0.3683

0.6071

381.3557, 0.3109,
0.3660

■ 0.5792, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4628, 0.3082,
0.3977

■ 66.4628, 0.3082,
0.3977

■ 63.3748, 0.3062,
0.4305

■ 70.1322, 0.3101,
0.3678

■ 60.8306, 0.3043,
0.4653

■ 74.4018, 0.3119,
0.3412

■ 58.8012, 0.3025,
0.5003

■ 79.2998, 0.3135,
0.3180

■ 57.2514, 0.3011,
0.5332

■ 83.4122, 0.3140,
0.3019

■ 56.1418, 0.3000,
0.5613

■ 55.4266, 0.2996,
0.5823

■ 55.0500, 0.2996,
0.5949

■ 54.9491, 0.2995,
0.5983

Harmonies

Analogous

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



66.4628, 0.3517, 0.4090



66.4628, 0.3082, 0.3977



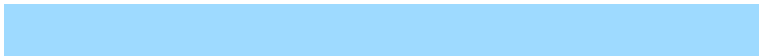
66.4628, 0.2677, 0.3631

Triad

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



66.4628, 0.3082, 0.3977



66.4628, 0.2421, 0.2618



66.4628, 0.3904, 0.3308

Complementary

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



66.4628, 0.3082, 0.3977



50.5456, 0.3172, 0.2687

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.



66.4628, 0.3569, 0.2971



66.4628, 0.3082, 0.3977



66.4628, 0.2707, 0.2585

Square

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



66.4628, 0.3082, 0.3977



66.4628, 0.2315, 0.2826



66.4628, 0.3123, 0.2714



66.4628, 0.4011, 0.3663

Rectangle

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



66.4628, 0.3082, 0.3977



66.4628, 0.2476, 0.3338



66.4628, 0.3123, 0.2714



66.4628, 0.3814, 0.3191

Sweetspot

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



66.4656, 0.3082, 0.3977



95.1294, 0.3114, 0.3488



73.8596, 0.3491, 0.3918



20.1782, 0.3111, 0.3527



0.0000, 0.0000, 0.0000



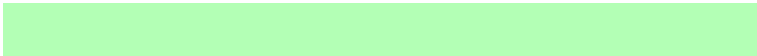
21.4041, 0.3127, 0.3290

Same Dimension

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



66.4656, 0.3082, 0.3977



84.3848, 0.3072, 0.4142



67.6768, 0.2912, 0.3613



16.0971, 0.3111, 0.3524



32.0535, 0.2994, 0.5978



2.3715, 0.2976, 0.5915

Inverse Universe

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



50.5456, 0.3172, 0.2687



60.3534, 0.3182, 0.2564



49.1211, 0.3413, 0.2989



14.6063, 0.3143, 0.3066



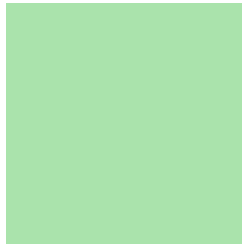
12.5190, 0.3296, 0.1589



0.9278, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 66.4628, 0.3082, 0.3977 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 66.4628, 0.3082, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

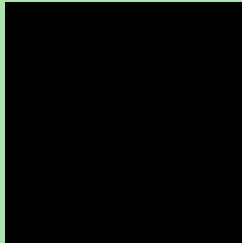
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

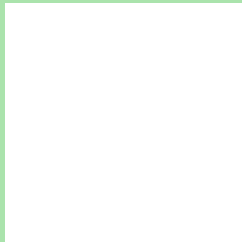
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.4628, 0.3082, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 66.4628, 0.3082, 0.3977.



This preview shows how white text looks on a background with the Yxy color 66.4628, 0.3082, 0.3977.

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

66.4628, 0.3082, 0.3977

Protanopia

65.9723, 0.3572, 0.3819

Deuteranopia

65.7725, 0.3657, 0.3580



Tritanopia

66.0227, 0.2766, 0.3081

Trichromacy



Original Color

66.4628, 0.3082, 0.3977



Protanomaly

65.5747, 0.3381, 0.3867



Deuteranomaly

65.0875, 0.3435, 0.3714



Tritanomaly

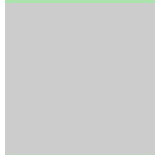
65.8641, 0.2878, 0.3385

Monochromacy



Original Color

66.4628, 0.3082, 0.3977



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.0992, 0.3116, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4628, 0.3082, 0.3977 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(170, 227, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 227, 172)  
}
```

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(170, 227, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 227, 172) }
```

Border

The CSS property to change the border of an element to Yxy 66.4628, 0.3082, 0.3977 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(170, 227, 172) }
```

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

```
.border{ border-color:rgb(170, 227, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 227, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 227, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 227, 172); box-shadow:4px 4px 4px 4px rgb(170, 227, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4628, 0.3082, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 227, 172) }
```

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

```
.background{ background-color: rgb(170,  
227, 172) }
```

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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