

Converting Colors

Yxy(66.3789, 0.3170, 0.4063)

Have a look what the booklet for
Yxy(66.3789, 0.3170, 0.4063)
contains.

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Color

Yxy(66.3032, 0.3172, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	B0E2A4
RGB	176, 226, 164
RGB Percent	69%, 89%, 64%
CMY	0.3099, 0.1137, 0.3567
CMYK	0.22, 0.00, 0.27, 0.11
HSL	108°, 52%, 76%
HSV	108°, 27%, 89%
XYZ	51.8014, 66.3032, 45.2038
YIQ	203.9820, -9.8980, -29.8820

Conversions

Conversions Part 2

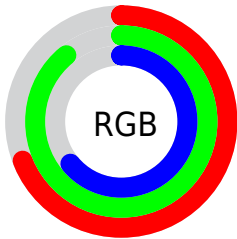
Format	Color
RYB	164, 226, 214
Decimal	11592356
CIELab	85.15, -27.58, 25.20
CIElCh	85, 37.356, 137.581
Yxy	66.3032, 0.3172, 0.4060
Android (android.graphics.Color)	4289782436 (0xFFB0E2A4)
YUV	203.9820, -19.7111, -24.5402
Hunter-Lab	81.4268, -28.9402, 24.0841

Details

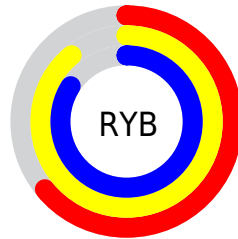
The Yxy color **66.3032, 0.3172, 0.4060** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.3577, 0.3057, 0.2588**, and the grayscale version is **60.5044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7903, 0.3191, 0.3658**, and **34.0569, 0.3168, 0.4260** is the 20% darker color. If you saturate the color by 10%, you get **63.5753, 0.3181, 0.4388**, and if you desaturate by 10%, it is **69.4676, 0.3158, 0.3754**.

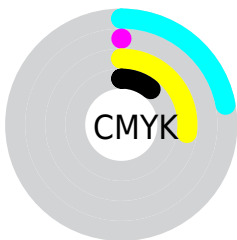
Distribution



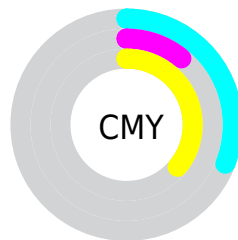
- Red (69%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (84%)



- Cyan (22%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3032, 0.3172, 0.4060 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 66.3032, 0.3172, 0.4060 by changing the saturation by 10% instead.

 66.3032, 0.3172,
0.4060


 66.3032, 0.3172,
0.4060


447.4604, 0.3160,
0.3682

 48.5186, 0.3172,
0.4152


 113.9214, 0.3170,
0.3924

 34.2377, 0.3171,
0.4268


 144.5238, 0.3168,
0.3873

 23.0763, 0.3166,
0.4420


180.1675, 0.3167,
0.3829

 14.6499, 0.3156,
0.4625

221.2370, 0.3165,
0.3792

 8.5740, 0.3131,
0.4918

268.1166, 0.3164,
0.3759

 4.4644, 0.3071,
0.5363

321.1908, 0.3162,

 1.9366, 0.3158,

0.3730

0.6622

380.8440, 0.3161,
0.3705

■ 0.5702, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3032, 0.3172,
0.4060

■ 66.3032, 0.3172,
0.4060

■ 63.5753, 0.3181,
0.4388

■ 69.4676, 0.3158,
0.3754

■ 61.2563, 0.3184,
0.4728

■ 73.0779, 0.3141,
0.3477

■ 59.3288, 0.3178,
0.5063

■ 77.1535, 0.3122,
0.3229

■ 57.7703, 0.3163,
0.5371

■ 81.7104, 0.3103,
0.3011

■ 56.5563, 0.3138,
0.5629

■ 82.8760, 0.3140,
0.3009

■ 55.6590, 0.3104,
0.5818

■ 55.0445, 0.3067,
0.5932

■ 54.9226, 0.3059,
0.5953

Harmonies

Analogous

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



66.3032, 0.3619, 0.4120



66.3032, 0.3172, 0.4060



66.3032, 0.2732, 0.3736

Triad

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



66.3032, 0.3172, 0.4060



66.3032, 0.2351, 0.2615



66.3032, 0.3888, 0.3232

Complementary

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



66.3032, 0.3172, 0.4060



46.3577, 0.3057, 0.2588

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.



66.3032, 0.3500, 0.2894



66.3032, 0.3172, 0.4060



66.3032, 0.2613, 0.2546

Square

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



66.3032, 0.3172, 0.4060



66.3032, 0.2280, 0.2868



66.3032, 0.3027, 0.2649



66.3032, 0.4054, 0.3604

Rectangle

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



66.3032, 0.3172, 0.4060



66.3032, 0.2501, 0.3434



66.3032, 0.3027, 0.2649



66.3032, 0.3778, 0.3112

Sweetspot

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



66.3060, 0.3172, 0.4060



95.7649, 0.3142, 0.3493



66.7479, 0.3574, 0.3847



20.3367, 0.3145, 0.3534



0.0000, 0.0000, 0.0000



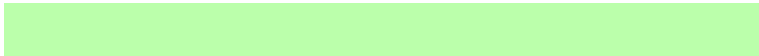
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3060, 0.3172, 0.4060



85.0296, 0.3178, 0.4248



65.6952, 0.2978, 0.3835



15.4638, 0.3145, 0.3530



31.3701, 0.3066, 0.5947



2.2112, 0.3165, 0.5869

Inverse Universe

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



46.3577, 0.3057, 0.2588



54.5996, 0.3037, 0.2435



47.2574, 0.3317, 0.2801



13.7951, 0.3107, 0.3057



8.8844, 0.2727, 0.1276



0.6505, 0.2805, 0.1319

Previews

White Background



This preview shows how the Yxy color 66.3032, 0.3172, 0.4060 looks on a white background.

Color Contrast Check

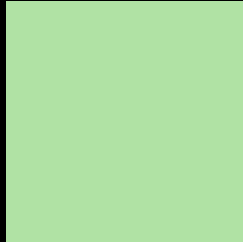
Large Text (above 18pt) WCAG AA × Fail

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 66.3032, 0.3172, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

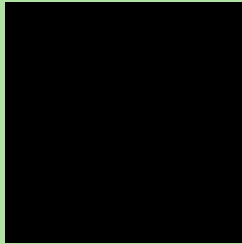
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3032, 0.3172, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 66.3032, 0.3172, 0.4060.

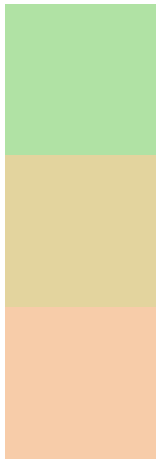


This preview shows how white text looks on a background with the Yxy color 66.3032, 0.3172, 0.4060.

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

66.3032, 0.3172, 0.4060

Protanopia

65.8865, 0.3630, 0.3896

Deuteranopia

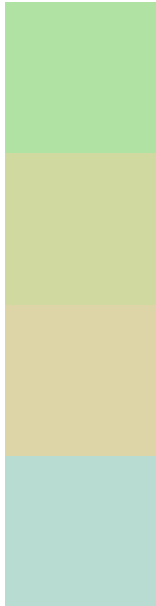
65.8245, 0.3736, 0.3664



Tritanopia

66.2576, 0.2821, 0.3095

Trichromacy



Original Color

66.3032, 0.3172, 0.4060

Protanomaly

65.5737, 0.3451, 0.3959

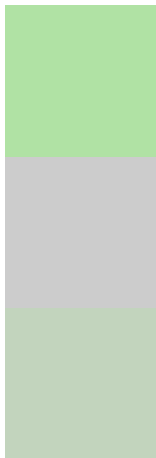
Deuteranomaly

65.2491, 0.3517, 0.3803

Tritanomaly

65.9802, 0.2948, 0.3420

Monochromacy



Original Color

66.3032, 0.3172, 0.4060

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.2304, 0.3151, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3032, 0.3172, 0.4060 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(176, 226, 164)` looks like.

```
.text, #text, p{  
    color:rgb(176, 226, 164)  
}
```

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(176, 226, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 226, 164) }
```

Border

The CSS property to change the border of an element to Yxy 66.3032, 0.3172, 0.4060 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(176, 226, 164) }
```

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

```
.border{ border-color:rgb(176, 226, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 226, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 226, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 226, 164);  
box-shadow:4px 4px 4px 4px rgb(176, 226,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3032, 0.3172, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 226, 164) }
```

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

```
.background{ background-color: rgb(176,  
226, 164) }
```

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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