

Converting Colors

$Yxy(65.7821, 0.3026, 0.3493)$

Have a look what the booklet for
Yxy(65.7821, 0.3026, 0.3493)
contains.

Yxy(65.7461, 0.3026, 0.3492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.7461, 0.3026, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	BDDBCA
RGB	189, 219, 202
RGB Percent	74%, 86%, 79%
CMY	0.2589, 0.1411, 0.2079
CMYK	0.14, 0.00, 0.08, 0.14
HSL	146°, 29%, 80%
HSV	146°, 14%, 86%
XYZ	56.9724, 65.7461, 65.5578
YIQ	208.0920, -12.4230, -11.6470

Conversions

Conversions Part 2

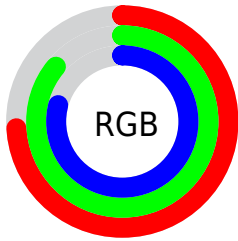
Format	Color
RYB	189, 210, 219
Decimal	12442570
CIELab	84.87, -13.19, 5.03
CIElCh	85, 14.117, 159.145
Yxy	65.7461, 0.3026, 0.3492
Android (android.graphics.Color)	4290632650 (0xFFBDDBCA)
YUV	208.0920, -3.0034, -16.7437
Hunter-Lab	81.0840, -16.4766, 8.8218

Details

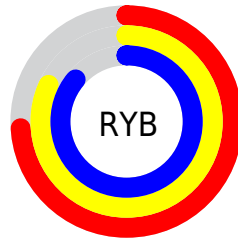
The Yxy color **65.7461, 0.3026, 0.3492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.9023, 0.3243, 0.3096**, and the grayscale version is **63.1634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **33.8399, 0.2996, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **62.5923, 0.2955, 0.3660**, and if you desaturate by 10%, it is **69.3756, 0.3100, 0.3342**.

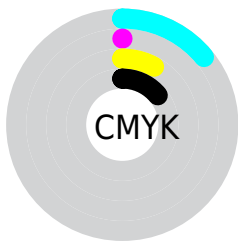
Distribution



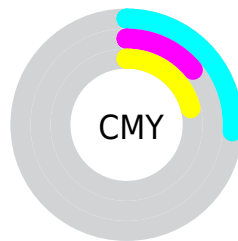
- Red (74%)
- Green (86%)
- Blue (79%)



- Red (74%)
- Yellow (82%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)




- Cyan (26%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7461, 0.3026, 0.3492 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 65.7461, 0.3026, 0.3492 by changing the saturation by 10% instead.

 65.7461, 0.3026,
0.3492

 65.7461, 0.3026,
0.3492


445.4683, 0.3074,
0.3395

 48.0663, 0.3015,
0.3515


 113.1218, 0.3043,
0.3458

 33.8794, 0.3000,
0.3544


143.5866, 0.3050,
0.3445

 22.8010, 0.2981,
0.3581


179.0818, 0.3055,
0.3433

 14.4466, 0.2956,
0.3631

219.9918, 0.3060,
0.3424

 8.4319, 0.2921,
0.3702

266.7011, 0.3064,
0.3415

 4.3726, 0.2867,
0.3810

319.5940, 0.3068,

 1.8841, 0.2776,

0.3408

0.3995

379.0549, 0.3071,
0.3401

0.5388, 0.1971,
0.5588

0.0000, 0.0000,
0.0000

65.7461, 0.3026,
0.3492

65.7461, 0.3026,
0.3492

62.5923, 0.2955,
0.3660

69.3756, 0.3100,
0.3342

59.8859, 0.2889,
0.3845

73.4913, 0.3174,
0.3208

57.6083, 0.2831,
0.4046

78.1137, 0.3247,
0.3090

55.7360, 0.2784,
0.4259

78.9346, 0.3166,
0.2972

■ 54.2435, 0.2753,
0.4480

■ 79.1495, 0.3144,
0.2940

■ 53.1022, 0.2739,
0.4703

■ 52.2790, 0.2744,
0.4921

■ 51.7343, 0.2768,
0.5125

■ 51.4940, 0.2790,
0.5244

Harmonies

Analogous

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



65.7461, 0.3203, 0.3585



65.7461, 0.3026, 0.3492



65.7461, 0.2879, 0.3341

Triad

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



65.7461, 0.3026, 0.3492



65.7461, 0.2892, 0.2996



65.7461, 0.3467, 0.3385

Complementary

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



65.7461, 0.3026, 0.3492



55.9023, 0.3243, 0.3096

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.



65.7461, 0.3379, 0.3234



65.7461, 0.3026, 0.3492



65.7461, 0.3045, 0.3014

Square

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



65.7461, 0.3026, 0.3492



65.7461, 0.2804, 0.3055



65.7461, 0.3223, 0.3100



65.7461, 0.3460, 0.3517

Rectangle

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



65.7461, 0.3026, 0.3492



65.7461, 0.2817, 0.3231



65.7461, 0.3223, 0.3100



65.7461, 0.3447, 0.3335

Sweetspot

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



65.7489, 0.3026, 0.3492



97.7498, 0.3097, 0.3346



67.5355, 0.3238, 0.3638



20.8346, 0.3092, 0.3357



0.0000, 0.0000, 0.0000



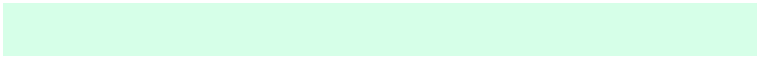
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7489, 0.3026, 0.3492



91.6656, 0.3008, 0.3531



66.4693, 0.2935, 0.3319



14.6995, 0.3057, 0.3425



30.5507, 0.2782, 0.5217



1.9963, 0.2693, 0.4894

Inverse Universe

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



55.9023, 0.3243, 0.3096



75.5876, 0.3266, 0.3061



55.2289, 0.3358, 0.3262



13.1745, 0.3204, 0.3158



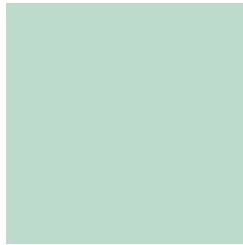
9.8167, 0.4670, 0.2346



0.6531, 0.4367, 0.2179

Previews

White Background



This preview shows how the Yxy color 65.7461, 0.3026, 0.3492 looks on a white background.

Color Contrast Check

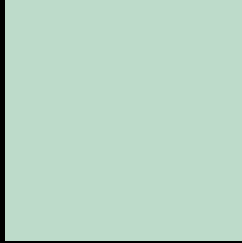
Large Text (above 18pt) WCAG AA × Fail

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 65.7461, 0.3026, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

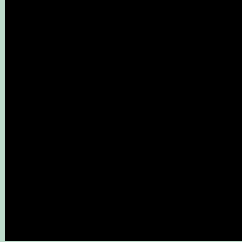
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

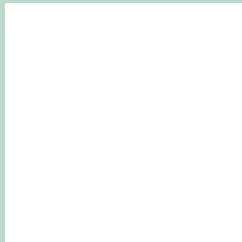
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7461, 0.3026, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 65.7461, 0.3026, 0.3492.

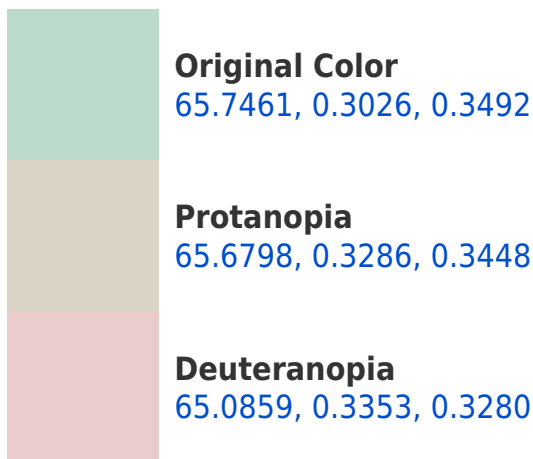


This preview shows how white text looks on a background with the Yxy color 65.7461, 0.3026, 0.3492.

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

65.8964, 0.2871, 0.3096

Trichromacy



Original Color

65.7461, 0.3026, 0.3492

Protanomaly

65.6266, 0.3185, 0.3463

Deuteranomaly

64.8660, 0.3230, 0.3347

Tritanomaly

65.5387, 0.2926, 0.3231

Monochromacy



Original Color

65.7461, 0.3026, 0.3492

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.9607, 0.3087, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7461, 0.3026, 0.3492 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(189, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 202)  
}
```

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(189, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 202) }
```

Border

The CSS property to change the border of an element to Yxy 65.7461, 0.3026, 0.3492 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(189, 219, 202) }
```

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

```
.border{ border-color:rgb(189, 219, 202) }
```

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

Here you see how a box with a 4 pixel rgb(189, 219, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7461, 0.3026, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 202) }
```

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

```
.background{ background-color: rgb(189,  
219, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor