

Converting Colors

$Yxy(65.5512, 0.2983, 0.3373)$

Have a look what the booklet for
Yxy(65.5512, 0.2983, 0.3373)
contains.

Yxy(65.2260, 0.2982, 0.3372)	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(65.2260, 0.2982, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	BED9D2
RGB	190, 217, 210
RGB Percent	75%, 85%, 82%
CMY	0.2549, 0.1490, 0.1764
CMYK	0.12, 0.00, 0.03, 0.15
HSL	164°, 26%, 80%
HSV	164°, 12%, 85%
XYZ	57.6821, 65.2260, 70.5261
YIQ	208.1290, -13.8450, -7.9010

Conversions

Conversions Part 2

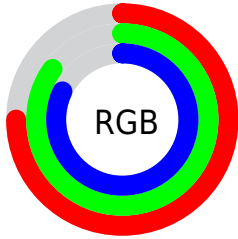
Format	Color
RYB	190, 206, 217
Decimal	12507602
CIELab	84.60, -10.30, 0.40
CIELCh	85, 10.307, 177.759
Yxy	65.2260, 0.2982, 0.3372
Android (android.graphics.Color)	4290697682 (0xFFBED9D2)
YUV	208.1290, 0.9224, -15.8991
Hunter-Lab	80.7626, -13.8468, 4.7587

Details

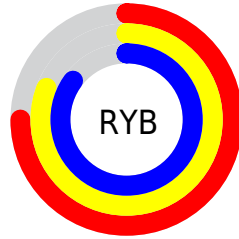
The Yxy color **65.2260, 0.2982, 0.3372** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6126, 0.3296, 0.3210**, and the grayscale version is **63.1673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **33.4752, 0.2939, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **62.3638, 0.2871, 0.3445**, and if you desaturate by 10%, it is **68.5195, 0.3098, 0.3305**.

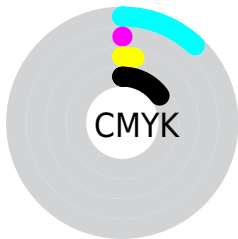
Distribution



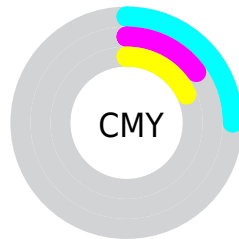
- Red (75%)
- Green (85%)
- Blue (82%)



- Red (75%)
- Yellow (81%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)




- Cyan (25%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2260, 0.2982, 0.3372 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 65.2260, 0.2982, 0.3372 by changing the saturation by 10% instead.


 65.2260, 0.2982,
0.3372

 65.2260, 0.2982,
0.3372

443.6037, 0.3051,
0.3333

 47.6444, 0.2966,
0.3381


 112.3747, 0.3006,
0.3358

 33.5453, 0.2946,
0.3392


142.7106, 0.3015,
0.3353

 22.5445, 0.2920,
0.3407

178.0666, 0.3023,
0.3349

 14.2576, 0.2886,
0.3426

218.8273, 0.3030,
0.3345

 8.3000, 0.2839,
0.3453

265.3769, 0.3036,
0.3341

 4.2875, 0.2768,
0.3493

318.0999, 0.3042,

 1.8357, 0.2651,

0.3338

0.3560

377.3807, 0.3046,
0.3336

■ 0.5093, 0.1834,
0.4016

■ 0.0000, 0.0000,
0.0000

■ 65.2260, 0.2982,
0.3372

■ 65.2260, 0.2982,
0.3372

■ 62.3638, 0.2871,
0.3445

■ 68.5195, 0.3098,
0.3305

■ 59.9064, 0.2769,
0.3525


■ 72.2534, 0.3217,
0.3245

■ 57.8366, 0.2678,
0.3611

■ 76.4267, 0.3337,
0.3192


■ 56.1330, 0.2602,
0.3702

■ 76.7421, 0.3297,
0.3136

 54.7720, 0.2542,
0.3796

 77.0678, 0.3258,
0.3081


 53.7272, 0.2502,
0.3893


 77.4038, 0.3220,
0.3027


 52.9682, 0.2481,
0.3990

 77.7502, 0.3182,
0.2973

 52.4585, 0.2480,
0.4087

 78.1071, 0.3145,
0.2920

 52.1925, 0.2489,
0.4160

 78.1074, 0.3145,
0.2920

Harmonies

Analogous

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



65.2260, 0.3102, 0.3469



65.2260, 0.2982, 0.3372



65.2260, 0.2901, 0.3254

Triad

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



65.2260, 0.2982, 0.3372



65.2260, 0.3021, 0.3075



65.2260, 0.3381, 0.3425

Complementary

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



65.2260, 0.2982, 0.3372



55.6126, 0.3296, 0.3210

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.



65.2260, 0.3358, 0.3319



65.2260, 0.2982, 0.3372



65.2260, 0.3148, 0.3120

Square

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



65.2260, 0.2982, 0.3372



65.2260, 0.2923, 0.3084



65.2260, 0.3273, 0.3209



65.2260, 0.3333, 0.3497

Rectangle

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



65.2260, 0.2982, 0.3372



65.2260, 0.2880, 0.3180



65.2260, 0.3273, 0.3209



65.2260, 0.3381, 0.3392

Sweetspot

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



65.2287, 0.2982, 0.3372



97.9474, 0.3079, 0.3315



65.2433, 0.3164, 0.3610



20.8846, 0.3071, 0.3320



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.



65.2287, 0.2982, 0.3372



92.8314, 0.2952, 0.3391



62.3992, 0.2936, 0.3215



14.7689, 0.3016, 0.3351



31.6116, 0.2485, 0.4146



2.0617, 0.2441, 0.3989

Inverse Universe

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



55.6126, 0.3296, 0.3210



76.2843, 0.3339, 0.3191



58.0876, 0.3342, 0.3364



13.1066, 0.3251, 0.3230



9.1189, 0.5890, 0.3018



0.6048, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 65.2260, 0.2982, 0.3372 looks on a white background.

Color Contrast Check

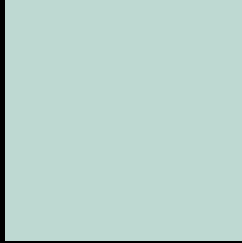
Large Text (above 18pt) WCAG AA × Fail

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 65.2260, 0.2982, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

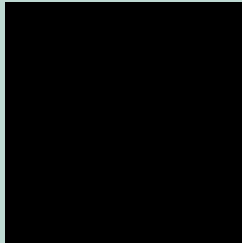
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

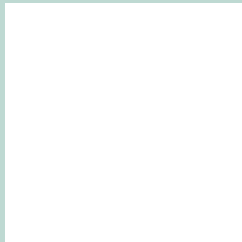
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.2260, 0.2982, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 65.2260, 0.2982, 0.3372.

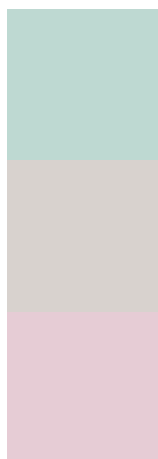


This preview shows how white text looks on a background with the Yxy color 65.2260, 0.2982, 0.3372.

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

65.2260, 0.2982, 0.3372

Protanopia

65.1483, 0.3200, 0.3335

Deuteranopia

64.8128, 0.3263, 0.3192



Tritanopia

65.3320, 0.2877, 0.3095

Trichromacy



Original Color

65.2260, 0.2982, 0.3372

Protanomaly

65.3589, 0.3124, 0.3359

Deuteranomaly

64.8015, 0.3151, 0.3256

Tritanomaly

65.2660, 0.2920, 0.3197

Monochromacy



Original Color

65.2260, 0.2982, 0.3372

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.6095, 0.3067, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2260, 0.2982, 0.3372 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(190, 217, 210)` looks like.

```
.text, #text, p{  
    color:rgb(190, 217, 210)  
}
```

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(190, 217, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 217, 210) }
```

Border

The CSS property to change the border of an element to Yxy 65.2260, 0.2982, 0.3372 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(190, 217, 210) }
```

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

```
.border{ border-color:rgb(190, 217, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 217, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 217, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 217, 210);  
box-shadow:4px 4px 4px 4px rgb(190, 217,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2260, 0.2982, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 217, 210) }
```

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

```
.background{ background-color: rgb(190,  
217, 210) }
```

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