

Converting Colors

$Yxy(68.6267, 0.2924, 0.3441)$

Have a look what the booklet for
Yxy(68.6267, 0.2924, 0.3441)
contains.

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Color

Yxy(68.6712, 0.2925, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	B7E1D4
RGB	183, 225, 212
RGB Percent	72%, 88%, 83%
CMY	0.2822, 0.1176, 0.1688
CMYK	0.19, 0.00, 0.06, 0.12
HSL	161°, 41%, 80%
HSV	161°, 19%, 88%
XYZ	58.3396, 68.6712, 72.4408
YIQ	210.9600, -20.8590, -12.9470

Conversions

Conversions Part 2

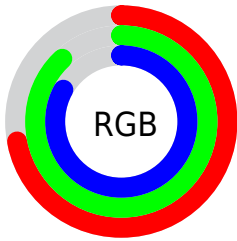
Format	Color
RYB	183, 208, 225
Decimal	12050900
CIELab	86.34, -16.20, 1.85
CIELCh	86, 16.306, 173.476
Yxy	68.6712, 0.2925, 0.3443
Android (android.graphics.Color)	4290240980 (0xFFB7E1D4)
YUV	210.9600, 0.5127, -24.5209
Hunter-Lab	82.8681, -19.3541, 6.1781

Details

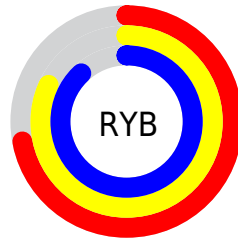
The Yxy color **68.6712, 0.2925, 0.3443** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.8792, 0.3381, 0.3142**, and the grayscale version is **65.1248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **35.8509, 0.2876, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **65.7861, 0.2825, 0.3537**, and if you desaturate by 10%, it is **72.0184, 0.3032, 0.3357**.

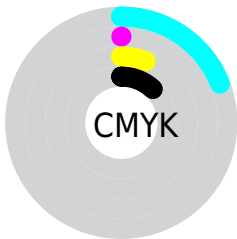
Distribution



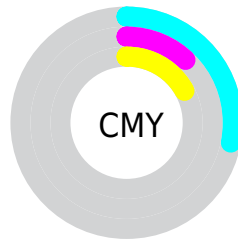
- Red (72%)
- Green (88%)
- Blue (83%)



- Red (72%)
- Yellow (82%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)




- Cyan (28%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6712, 0.2925, 0.3443 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 68.6712, 0.2925, 0.3443 by changing the saturation by 10% instead.

 68.6712, 0.2925,
0.3443

 68.6712, 0.2925,
0.3443

455.8705, 0.3020,
0.3371

 50.4440, 0.2903,
0.3460


 117.3118, 0.2958,
0.3418

 35.7663, 0.2876,
0.3481


148.4940, 0.2971,
0.3408

 24.2538, 0.2841,
0.3508


184.7633, 0.2982,
0.3400

 15.5220, 0.2795,
0.3543

226.5042, 0.2992,
0.3392

 9.1865, 0.2731,
0.3593

274.1009, 0.3000,
0.3386

 4.8630, 0.2637,
0.3667

327.9379, 0.3007,

 2.1671, 0.2485,

0.3380

388.3996, 0.3014,
0.3375

0.3788

0.7020, 0.1689,
0.4364

0.0000, 0.0000,
0.0000

68.6712, 0.2925,
0.3443

68.6712, 0.2925,
0.3443

65.7861, 0.2825,
0.3537

72.0184, 0.3032,
0.3357

63.3333, 0.2735,
0.3638

75.8387, 0.3142,
0.3280


61.2931, 0.2657,
0.3747

80.1536, 0.3255,
0.3211


59.6403, 0.2595,
0.3861


81.3975, 0.3239,
0.3143

 58.3473, 0.2552,
0.3978


 81.8210, 0.3193,
0.3076


 57.3827, 0.2528,
0.4098

 82.2606, 0.3148,
0.3010

 56.7093, 0.2525,
0.4217

 82.3306, 0.3141,
0.2999

 56.2716, 0.2539,
0.4334

 56.2201, 0.2542,
0.4350

Harmonies

Analogous

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



68.6712, 0.3115, 0.3588



68.6712, 0.2925, 0.3443



68.6712, 0.2791, 0.3257

Triad

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



68.6712, 0.2925, 0.3443



68.6712, 0.2936, 0.2956



68.6712, 0.3525, 0.3474

Complementary

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



68.6712, 0.2925, 0.3443



53.8792, 0.3381, 0.3142

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.



68.6712, 0.3474, 0.3308



68.6712, 0.2925, 0.3443



68.6712, 0.3129, 0.3015

Square

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



68.6712, 0.2925, 0.3443



68.6712, 0.2797, 0.2980



68.6712, 0.3328, 0.3142



68.6712, 0.3465, 0.3600

Rectangle

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



68.6712, 0.2925, 0.3443



68.6712, 0.2750, 0.3139



68.6712, 0.3328, 0.3142



68.6712, 0.3520, 0.3421

Sweetspot

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



68.6741, 0.2925, 0.3443



96.9104, 0.3060, 0.3336



69.0506, 0.3197, 0.3785



20.6738, 0.3053, 0.3342



0.0000, 0.0000, 0.0000



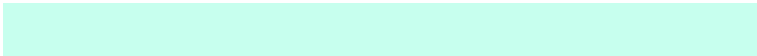
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6741, 0.2925, 0.3443



89.7961, 0.2889, 0.3475



65.2924, 0.2843, 0.3199



15.4960, 0.3023, 0.3364



32.4184, 0.2537, 0.4332



2.2629, 0.2486, 0.4151

Inverse Universe

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



53.8792, 0.3381, 0.3142



67.0359, 0.3440, 0.3113



56.5724, 0.3475, 0.3379



13.7703, 0.3243, 0.3217



9.4970, 0.5715, 0.2922



0.6740, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 68.6712, 0.2925, 0.3443 looks on a white background.

Color Contrast Check

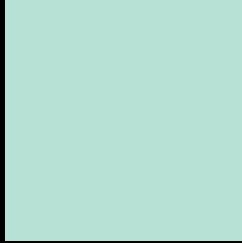
Large Text (above 18pt) WCAG AA × Fail

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 68.6712, 0.2925, 0.3443 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

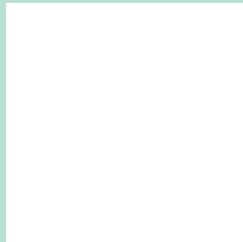
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6712, 0.2925, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 68.6712, 0.2925, 0.3443.

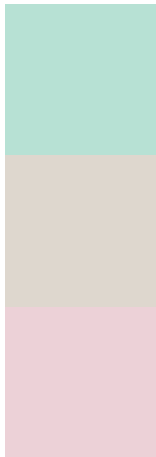


This preview shows how white text looks on a background with the Yxy color 68.6712, 0.2925, 0.3443.

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

68.6712, 0.2925, 0.3443

Protanopia

68.5867, 0.3241, 0.3390

Deuteranopia

68.3401, 0.3289, 0.3227



Tritanopia

68.6363, 0.2795, 0.3086

Trichromacy



Original Color

68.6712, 0.2925, 0.3443

Protanomaly

68.6270, 0.3121, 0.3415

Deuteranomaly

68.2076, 0.3149, 0.3301

Tritanomaly

68.3388, 0.2841, 0.3209

Monochromacy



Original Color

68.6712, 0.2925, 0.3443

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.2324, 0.3053, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6712, 0.2925, 0.3443 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(183, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 212)  
}
```

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(183, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.6712, 0.2925, 0.3443 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(183, 225, 212) }
```

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

```
.border{ border-color:rgb(183, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6712, 0.2925, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 212) }
```

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

```
.background{ background-color: rgb(183,  
225, 212) }
```

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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