

Converting Colors

$Yxy(59.9765, 0.2826, 0.3229)$

Have a look what the booklet for
Yxy(59.9765, 0.2826, 0.3229)
contains.

Yxy(59.7701, 0.2826, 0.3228)	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(59.7701, 0.2826, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	ACD2D7
RGB	172, 210, 215
RGB Percent	67%, 82%, 84%
CMY	0.3254, 0.1765, 0.1569
CMYK	0.20, 0.02, 0.00, 0.16
HSL	187°, 35%, 76%
HSV	187°, 20%, 84%
XYZ	52.3266, 59.7701, 73.0647
YIQ	199.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

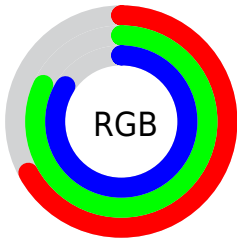
Format	Color
RYB	172, 192, 215
Decimal	11326167
CIELab	81.71, -11.38, -6.63
CIELCh	82, 13.172, 210.203
Yxy	59.7701, 0.2826, 0.3228
Android (android.graphics.Color)	4289516247 (0xFFACD2D7)
YUV	199.2080, 7.7855, -23.8614
Hunter-Lab	77.3111, -14.4800, -1.9156

Details

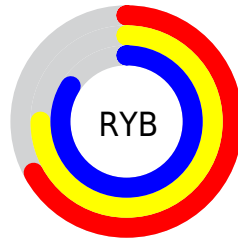
The Yxy color **59.7701, 0.2826, 0.3228** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8718, 0.3510, 0.3351**, and the grayscale version is **57.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **30.2369, 0.2755, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **56.3097, 0.2686, 0.3193**, and if you desaturate by 10%, it is **63.6482, 0.2974, 0.3260**.

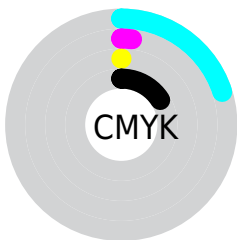
Distribution



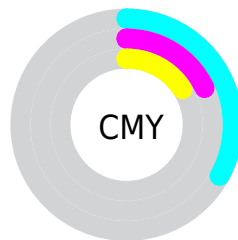
- Red (67%)
- Green (82%)
- Blue (84%)



- Red (67%)
- Yellow (75%)
- Blue (84%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7701, 0.2826, 0.3228 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 59.7701, 0.2826, 0.3228 by changing the saturation by 10% instead.

■ 59.7701, 0.2826,
0.3228

■ 59.7701, 0.2826,
0.3228

423.7498, 0.2969,
0.3259

■ 43.2334, 0.2792,
0.3220

■ 104.4961, 0.2876,
0.3239

■ 30.0683, 0.2750,
0.3210

133.4541, 0.2896,
0.3244

■ 19.8904, 0.2696,
0.3196

167.3214, 0.2912,
0.3247

■ 12.3154, 0.2624,
0.3178

206.4823, 0.2927,
0.3251

■ 6.9589, 0.2524,
0.3150

251.3212, 0.2939,
0.3253

■ 3.4364, 0.2373,
0.3104

302.2225, 0.2950,

■ 1.3636, 0.2125,

0.3256

359.5706, 0.2960,
0.3258

0.3020

0.1896, 0.0000,
0.2207

0.0000, 0.0000,
0.0000

59.7701, 0.2826,
0.3228

59.7701, 0.2826,
0.3228

56.3097, 0.2686,
0.3193

63.6482, 0.2974,
0.3260

53.2406, 0.2558,
0.3156

67.9543, 0.3127,
0.3290

50.5448, 0.2444,
0.3118

72.7076, 0.3283,
0.3317

48.1998, 0.2347,
0.3078

77.3482, 0.3417,
0.3341

■ 46.1805, 0.2269,
0.3037

■ 78.6688, 0.3413,
0.3366

■ 44.4585, 0.2209,
0.2996

■ 80.0092, 0.3409,
0.3391

■ 42.9997, 0.2169,
0.2956

■ 81.3693, 0.3405,
0.3416

■ 41.7434, 0.2143,
0.2916

■ 82.7492, 0.3401,
0.3441

■ 41.7424, 0.2143,
0.2916

■ 84.1490, 0.3397,
0.3465

Harmonies

Analogous

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



59.7701, 0.2925, 0.3385



59.7701, 0.2826, 0.3228



59.7701, 0.2805, 0.3093

Triad

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



59.7701, 0.2826, 0.3228



59.7701, 0.3168, 0.3076



59.7701, 0.3390, 0.3568

Complementary

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



59.7701, 0.2826, 0.3228



48.8718, 0.3510, 0.3351

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.



59.7701, 0.3460, 0.3475



59.7701, 0.2826, 0.3228



59.7701, 0.3330, 0.3194

Square

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



59.7701, 0.2826, 0.3228



59.7701, 0.2999, 0.3011



59.7701, 0.3438, 0.3339



59.7701, 0.3250, 0.3586

Rectangle

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



59.7701, 0.2826, 0.3228



59.7701, 0.2838, 0.3034



59.7701, 0.3438, 0.3339



59.7701, 0.3422, 0.3544

Sweetspot

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



59.7725, 0.2826, 0.3228



96.0841, 0.3034, 0.3272



60.5175, 0.3073, 0.3782



20.4778, 0.3024, 0.3270



0.0000, 0.0000, 0.0000



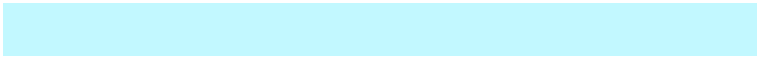
21.4041, 0.3127, 0.3290

Same Dimension

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



59.7725, 0.2826, 0.3228



85.7308, 0.2766, 0.3214



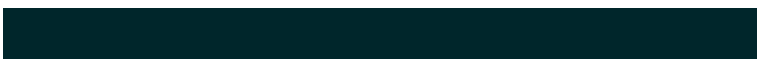
50.1619, 0.2810, 0.2966



13.8500, 0.2983, 0.3262



25.0692, 0.2145, 0.2922



1.5834, 0.2164, 0.2991

Inverse Universe

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



48.6095, 0.3191, 0.2851



66.5252, 0.3207, 0.2756



57.7232, 0.3463, 0.3594



12.6067, 0.3155, 0.3086



10.8756, 0.3524, 0.1715



0.6632, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 59.7701, 0.2826, 0.3228 looks on a white background.

Color Contrast Check

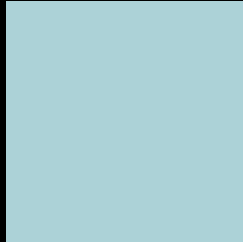
Large Text (above 18pt) WCAG AA × Fail

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 59.7701, 0.2826, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

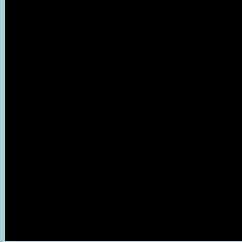
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

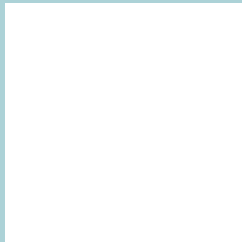
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.7701, 0.2826, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 59.7701, 0.2826, 0.3228.



This preview shows how white text looks on a background with the Yxy color 59.7701, 0.2826, 0.3228.

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

59.7701, 0.2826, 0.3228

Protanopia

59.2638, 0.3086, 0.3185

Deuteranopia

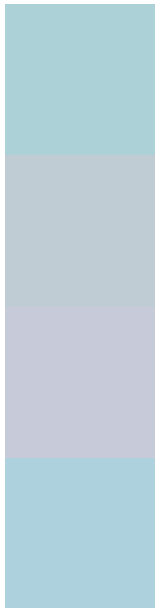
59.4415, 0.3115, 0.3053



Tritanopia

59.5467, 0.2777, 0.3084

Trichromacy



Original Color

59.7701, 0.2826, 0.3228

Protanomaly

59.1457, 0.2982, 0.3194

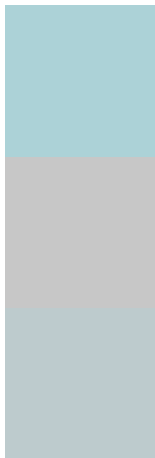
Deuteranomaly

59.3929, 0.3000, 0.3115

Tritanomaly

59.7056, 0.2795, 0.3144

Monochromacy



Original Color

59.7701, 0.2826, 0.3228

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.9385, 0.3008, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7701, 0.2826, 0.3228 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(172, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(172, 210, 215)  
}
```

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(172, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 210, 215) }
```

Border

The CSS property to change the border of an element to Yxy 59.7701, 0.2826, 0.3228 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(172, 210, 215) }
```

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

```
.border{ border-color:rgb(172, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(172, 210,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7701, 0.2826, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 210, 215) }
```

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

```
.background{ background-color: rgb(172,  
210, 215) }
```

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