

Converting Colors

$Yxy(70.2469, 0.3002, 0.3299)$

Have a look what the booklet for
Yxy(70.2469, 0.3002, 0.3299)
contains.

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Color

Yxy(70.1595, 0.3002, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	CBDEDD
RGB	203, 222, 221
RGB Percent	80%, 87%, 87%
CMY	0.2038, 0.1294, 0.1334
CMYK	0.09, 0.00, 0.00, 0.13
HSL	177°, 22%, 83%
HSV	177°, 9%, 87%
XYZ	63.8045, 70.1595, 78.5761
YIQ	216.2050, -11.0030, -4.3390

Conversions

Conversions Part 2

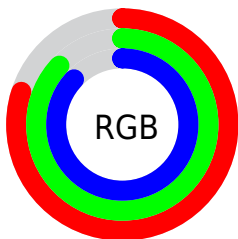
Format	Color
R _Y B	203, 213, 222
Decimal	13360861
CIE Lab	87.08, -6.49, -1.68
CIE LCh	87, 6.704, 194.495
Yxy	70.1595, 0.3002, 0.3301
Android (android.graphics.Color)	4291550941 (0xFFC _B DEDD)
YUV	216.2050, 2.3639, -11.5808
Hunter-Lab	83.7613, -10.6111, 3.0132

Details

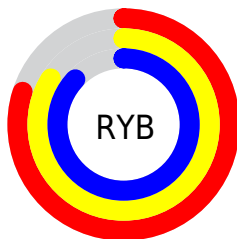
The Yxy color **70.1595, 0.3002, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.6155, 0.3267, 0.3279**, and the grayscale version is **68.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7802, 0.2973, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **67.2021, 0.2863, 0.3315**, and if you desaturate by 10%, it is **73.5696, 0.3149, 0.3288**.

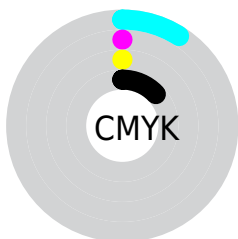
Distribution



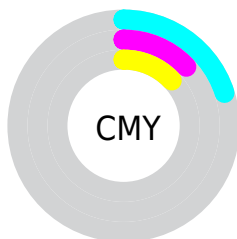
- Red (80%)
- Green (87%)
- Blue (87%)



- Red (80%)
- Yellow (84%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1595, 0.3002, 0.3301 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 70.1595, 0.3002, 0.3301 by changing the saturation by 10% instead.

■ 70.1595, 0.3002,
0.3301

■ 70.1595, 0.3002,
0.3301

461.1098, 0.3060,
0.3296

■ 51.6566, 0.2989,
0.3302

119.4362, 0.3022,
0.3299

■ 36.7314, 0.2972,
0.3303

150.9787, 0.3030,
0.3299

■ 24.9996, 0.2951,
0.3305

187.6366, 0.3037,
0.3298

■ 16.0768, 0.2923,
0.3307

229.7942, 0.3043,
0.3298

■ 9.5785, 0.2885,
0.3309

277.8360, 0.3048,
0.3297

■ 5.1204, 0.2830,
0.3313

332.1462, 0.3053,

■ 2.3181, 0.2742,

0.3297

0.3318

393.1094, 0.3057,
0.3297

0.7832, 0.2505,
0.3348

0.0000, 0.0000,
0.0000

70.1595, 0.3002,
0.3301

70.1595, 0.3002,
0.3301

67.2021, 0.2863,
0.3315

73.5696, 0.3149,
0.3288

64.6696, 0.2733,
0.3330

77.4412, 0.3300,
0.3277

62.5448, 0.2618,
0.3346

78.9136, 0.3347,
0.3265

60.8059, 0.2518,
0.3363

78.9783, 0.3339,
0.3253

■ 59.4288, 0.2435,
0.3381

■ 79.0434, 0.3331,
0.3242

■ 58.3870, 0.2372,
0.3398

■ 79.1090, 0.3322,
0.3230

■ 57.6505, 0.2329,
0.3416

■ 79.1751, 0.3314,
0.3218

■ 57.1835, 0.2303,
0.3434

■ 79.2416, 0.3306,
0.3206

■ 56.9328, 0.2294,
0.3452

■ 79.3085, 0.3298,
0.3195

Harmonies

Analogous

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



70.1595, 0.3067, 0.3372



70.1595, 0.3002, 0.3301



70.1595, 0.2970, 0.3228

Triad

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



70.1595, 0.3002, 0.3301



70.1595, 0.3104, 0.3165



70.1595, 0.3276, 0.3406

Complementary

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



70.1595, 0.3002, 0.3301



62.6155, 0.3267, 0.3279

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.



70.1595, 0.3287, 0.3349



70.1595, 0.3002, 0.3301



70.1595, 0.3187, 0.3211

Square

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



70.1595, 0.3002, 0.3301



70.1595, 0.3029, 0.3151



70.1595, 0.3254, 0.3278



70.1595, 0.3225, 0.3432

Rectangle

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



70.1595, 0.3002, 0.3301



70.1595, 0.2972, 0.3189



70.1595, 0.3254, 0.3278



70.1595, 0.3285, 0.3389

Sweetspot

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



70.1625, 0.3002, 0.3301



98.5516, 0.3082, 0.3294



69.4341, 0.3126, 0.3507



21.0133, 0.3071, 0.3295



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.



70.1625, 0.3002, 0.3301



95.3931, 0.2980, 0.3303



65.9550, 0.2996, 0.3196



15.5591, 0.2989, 0.3302



33.8050, 0.2292, 0.3451



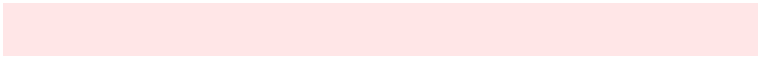
2.3471, 0.2285, 0.3424

Inverse Universe

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



62.6155, 0.3267, 0.3279



83.3374, 0.3295, 0.3277



66.5546, 0.3265, 0.3382



13.7123, 0.3284, 0.3278



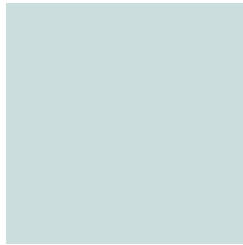
9.2448, 0.6341, 0.3267



0.6450, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 70.1595, 0.3002, 0.3301 looks on a white background.

Color Contrast Check

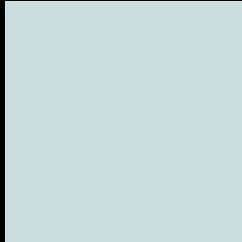
Large Text (above 18pt) WCAG AA × Fail

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 70.1595, 0.3002, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

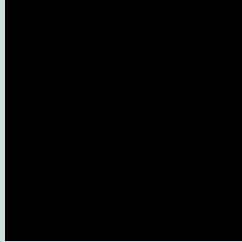
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

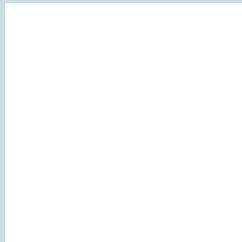
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1595, 0.3002, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 70.1595, 0.3002, 0.3301.

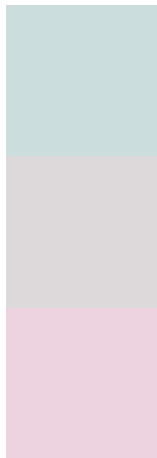


This preview shows how white text looks on a background with the Yxy color 70.1595, 0.3002, 0.3301.

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

70.1595, 0.3002, 0.3301

Protanopia

70.0598, 0.3149, 0.3279

Deuteranopia

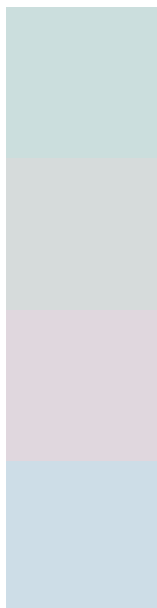
69.7491, 0.3230, 0.3164



Tritanopia

70.4226, 0.2922, 0.3103

Trichromacy



Original Color

70.1595, 0.3002, 0.3301

Protanomaly

70.0737, 0.3092, 0.3290

Deuteranomaly

69.7221, 0.3145, 0.3214

Tritanomaly

70.4616, 0.2953, 0.3179

Monochromacy



Original Color

70.1595, 0.3002, 0.3301

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.0536, 0.3077, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1595, 0.3002, 0.3301 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(203, 222, 221)` looks like.

```
.text, #text, p{  
    color:rgb(203, 222, 221)  
}
```

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(203, 222, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 222, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.1595, 0.3002, 0.3301 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(203, 222, 221) }
```

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

```
.border{ border-color:rgb(203, 222, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 222, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 222, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 222, 221);  
box-shadow:4px 4px 4px 4px rgb(203, 222,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1595, 0.3002, 0.3301$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 222, 221) }
```

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

```
.background{ background-color: rgb(203,  
222, 221) }
```

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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