

Converting Colors

$Y_{xy}(70.2090, 0.3138, 0.3518)$

Have a look what the booklet for
Yxy(70.2090, 0.3138, 0.3518)
contains.

Yxy(70.2090, 0.3138, 0.3518)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2090, 0.3138, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	CEDFCB
RGB	206, 223, 203
RGB Percent	81%, 87%, 80%
CMY	0.1920, 0.1255, 0.2040
CMYK	0.08, 0.00, 0.09, 0.13
HSL	111°, 24%, 84%
HSV	111°, 9%, 87%
XYZ	62.6253, 70.2090, 66.7365
YIQ	215.6370, -3.7120, -9.8240

Conversions

Conversions Part 2

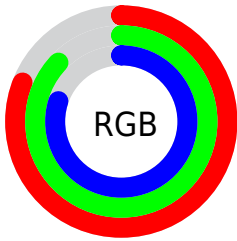
Format	Color
R _Y B	203, 223, 220
Decimal	13557707
CIE Lab	87.10, -9.31, 7.87
CIE LCh	87, 12.189, 139.792
Yxy	70.2090, 0.3138, 0.3518
Android (android.graphics.Color)	4291747787 (0xFFCEDFCB)
YUV	215.6370, -6.2300, -8.4516
Hunter-Lab	83.7908, -13.2229, 11.4311

Details

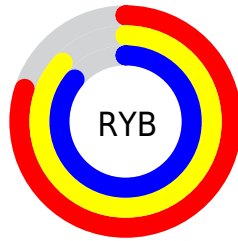
The Yxy color **70.2090, 0.3138, 0.3518** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.2362, 0.3114, 0.3069**, and the grayscale version is **68.4588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8506, 0.3141, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **66.6797, 0.3148, 0.3801**, and if you desaturate by 10%, it is **74.2224, 0.3126, 0.3266**.

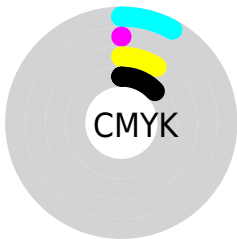
Distribution



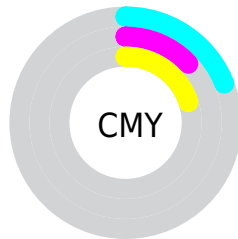
- Red (81%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (86%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2090, 0.3138, 0.3518 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 70.2090, 0.3138, 0.3518 by changing the saturation by 10% instead.

■ 70.2090, 0.3138,
0.3518

■ 70.2090, 0.3138,
0.3518

461.2835, 0.3134,
0.3410

■ 51.6969, 0.3139,
0.3543

119.5068, 0.3137,
0.3480

■ 36.7636, 0.3140,
0.3575

151.0612, 0.3136,
0.3466

■ 25.0245, 0.3141,
0.3615

187.7320, 0.3136,
0.3453

■ 16.0953, 0.3141,
0.3669

229.9034, 0.3135,
0.3442

■ 9.5916, 0.3142,
0.3744

277.9599, 0.3135,
0.3433

■ 5.1290, 0.3142,
0.3857

332.2858, 0.3134,

■ 2.3232, 0.3138,

0.3424

0.4042

393.2655, 0.3134,
0.3417

0.7859, 0.3226,
0.4878

0.0000, 0.0000,
0.0000

70.2090, 0.3138,
0.3518

70.2090, 0.3138,
0.3518

66.6797, 0.3148,
0.3801

74.2224, 0.3126,
0.3266

63.6075, 0.3155,
0.4114

78.7279, 0.3113,
0.3044

60.9764, 0.3158,
0.4448

81.2546, 0.3142,
0.2980

58.7658, 0.3155,
0.4793

■ 56.9536, 0.3145,
0.5129

■ 55.5156, 0.3127,
0.5435

■ 54.4251, 0.3102,
0.5684

■ 53.6513, 0.3072,
0.5861

■ 53.1540, 0.3042,
0.5961

Harmonies

Analogous

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



70.2090, 0.3283, 0.3552



70.2090, 0.3138, 0.3518



70.2090, 0.2993, 0.3419

Triad

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



70.2090, 0.3138, 0.3518



70.2090, 0.2872, 0.3066



70.2090, 0.3374, 0.3289

Complementary

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



70.2090, 0.3138, 0.3518



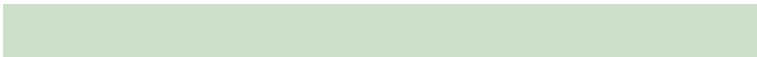
63.2362, 0.3114, 0.3069

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.



70.2090, 0.3260, 0.3166



70.2090, 0.3138, 0.3518



70.2090, 0.2970, 0.3039

Square

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



70.2090, 0.3138, 0.3518



70.2090, 0.2842, 0.3155



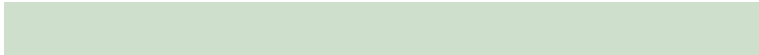
70.2090, 0.3111, 0.3076



70.2090, 0.3421, 0.3415

Rectangle

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



70.2090, 0.3138, 0.3518



70.2090, 0.2915, 0.3330



70.2090, 0.3111, 0.3076



70.2090, 0.3342, 0.3246

Sweetspot

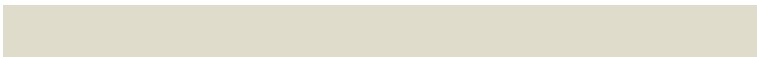
The Sweet Spot groups the original color and five complimentary colors.



70.2120, 0.3138, 0.3518



98.3082, 0.3131, 0.3364



71.0076, 0.3264, 0.3474



20.9474, 0.3132, 0.3384



0.0000, 0.0000, 0.0000



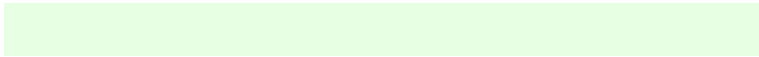
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2120, 0.3138, 0.3518



94.0907, 0.3140, 0.3575



70.1039, 0.3073, 0.3442



15.4371, 0.3139, 0.3531



31.2621, 0.3045, 0.5964



2.1986, 0.3132, 0.5895

Inverse Universe

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



63.2362, 0.3114, 0.3069



82.5879, 0.3111, 0.3016



63.3642, 0.3185, 0.3143



13.8242, 0.3114, 0.3057



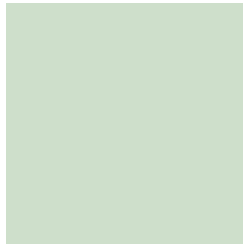
9.5313, 0.2827, 0.1331



0.6897, 0.2890, 0.1366

Previews

White Background



This preview shows how the Yxy color 70.2090, 0.3138, 0.3518 looks on a white background.

Color Contrast Check

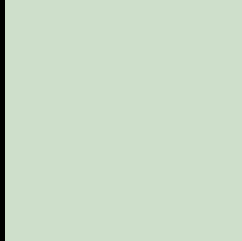
Large Text (above 18pt) WCAG AA × Fail

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 70.2090, 0.3138, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

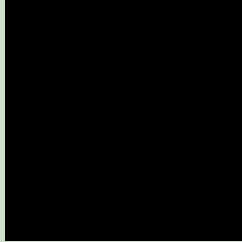
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

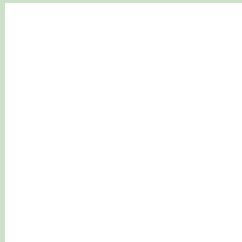
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2090, 0.3138, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 70.2090, 0.3138, 0.3518.

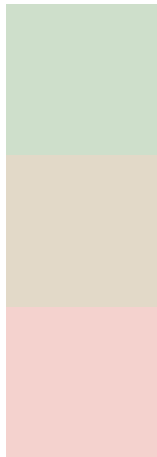


This preview shows how white text looks on a background with the Yxy color 70.2090, 0.3138, 0.3518.

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

70.2090, 0.3138, 0.3518

Protanopia

69.9646, 0.3310, 0.3477

Deuteranopia

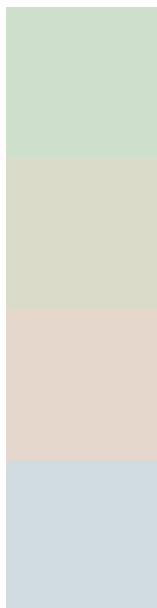
69.7825, 0.3415, 0.3333



Tritanopia

70.0478, 0.2962, 0.3093

Trichromacy



Original Color

70.2090, 0.3138, 0.3518

Protanomaly

69.9402, 0.3249, 0.3491

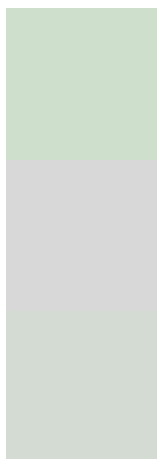
Deuteranomaly

69.8316, 0.3308, 0.3399

Tritanomaly

70.1235, 0.3024, 0.3245

Monochromacy



Original Color

70.2090, 0.3138, 0.3518

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.3632, 0.3130, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2090, 0.3138, 0.3518 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(206, 223, 203)` looks like.

```
.text, #text, p{  
    color:rgb(206, 223, 203)  
}
```

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(206, 223, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 223, 203) }
```

Border

The CSS property to change the border of an element to Yxy 70.2090, 0.3138, 0.3518 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(206, 223, 203) }
```

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

```
.border{ border-color:rgb(206, 223, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 223, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 223, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 223, 203);  
box-shadow:4px 4px 4px 4px rgb(206, 223,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2090, 0.3138, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 223, 203) }
```

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

```
.background{ background-color: rgb(206,  
223, 203) }
```

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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