

Converting Colors

$Y_{xy}(70.8132, 0.2866, 0.3091)$

Have a look what the booklet for
Yxy(70.8132, 0.2866, 0.3091)
contains.

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Color

Yxy(70.8132, 0.2866, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	C8DEF0
RGB	200, 222, 240
RGB Percent	78%, 87%, 94%
CMY	0.2158, 0.1293, 0.0589
CMYK	0.17, 0.07, 0.00, 0.06
HSL	207°, 57%, 86%
HSV	207°, 17%, 94%
XYZ	65.6586, 70.8132, 92.6230
YIQ	217.4740, -18.8900, 0.9340

Conversions

Conversions Part 2

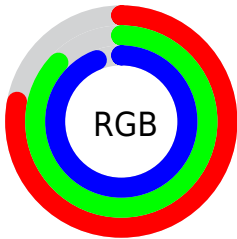
Format	Color
R _Y B	200, 214, 240
Decimal	13164272
CIE Lab	87.39, -3.67, -11.24
CIE LCh	87, 11.820, 251.933
Yxy	70.8132, 0.2866, 0.3091
Android (android.graphics.Color)	4291354352 (0xFFC8DEF0)
YUV	217.4740, 11.1053, -15.3247
Hunter-Lab	84.1506, -7.9887, -6.3540

Details

The Yxy color **70.8132, 0.2866, 0.3091** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7920, 0.3415, 0.3481**, and the grayscale version is **69.6595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2091, 0.2808, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **62.2273, 0.2705, 0.2954**, and if you desaturate by 10%, it is **80.2890, 0.3024, 0.3215**.

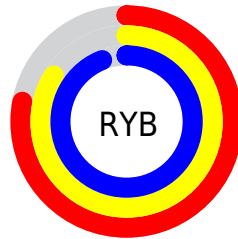
Distribution



Red (78%)

Green (87%)

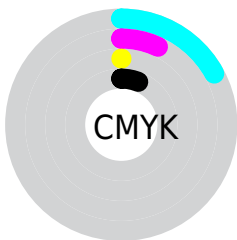
Blue (94%)



Red (78%)

Yellow (84%)

Blue (94%)

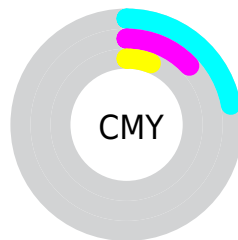


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (22%)

Magenta (13%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8132, 0.2866, 0.3091 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 70.8132, 0.2866, 0.3091 by changing the saturation by 10% instead.

■ 70.8132, 0.2866,
0.3091

■ 70.8132, 0.2866,
0.3091

463.4002, 0.2987,
0.3184

■ 52.1898, 0.2839,
0.3070

120.3677, 0.2908,
0.3123

■ 37.1564, 0.2805,
0.3043

152.0676, 0.2924,
0.3136

■ 25.3286, 0.2762,
0.3009

188.8950, 0.2938,
0.3147

■ 16.3220, 0.2706,
0.2965

231.2345, 0.2950,
0.3156

■ 9.7523, 0.2630,
0.2904

279.4703, 0.2961,
0.3164

■ 5.2350, 0.2521,
0.2815

333.9870, 0.2971,

■ 2.3858, 0.2353,

0.3172

0.2675

395.1688, 0.2979,
0.3178

0.8186, 0.2041,
0.2426

0.0000, 0.0000,
0.0000

70.8132, 0.2866,
0.3091

70.8132, 0.2866,
0.3091

62.2273, 0.2705,
0.2954

80.2890, 0.3024,
0.3215

54.4916, 0.2545,
0.2805

90.6751, 0.3178,
0.3325

47.5761, 0.2389,
0.2645

98.6424, 0.3215,
0.3428

41.4452, 0.2242,
0.2476

99.0696, 0.3215,
0.3435

■ 36.0599, 0.2109,
0.2300

■ 31.3769, 0.1995,
0.2123

■ 27.3465, 0.1902,
0.1949

■ 23.9076, 0.1833,
0.1781

■ 22.8641, 0.1813,
0.1726

Harmonies

Analogous

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



70.8132, 0.2856, 0.3189



70.8132, 0.2866, 0.3091



70.8132, 0.2945, 0.3048

Triad

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



70.8132, 0.2866, 0.3091



70.8132, 0.3342, 0.3256



70.8132, 0.3176, 0.3526

Complementary

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



70.8132, 0.2866, 0.3091



72.7920, 0.3415, 0.3481

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.



70.8132, 0.3309, 0.3539



70.8132, 0.2866, 0.3091



70.8132, 0.3407, 0.3380

Square

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



70.8132, 0.2866, 0.3091



70.8132, 0.3219, 0.3143



70.8132, 0.3394, 0.3485



70.8132, 0.3032, 0.3444

Rectangle

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



70.8132, 0.2866, 0.3091



70.8132, 0.3027, 0.3054



70.8132, 0.3394, 0.3485



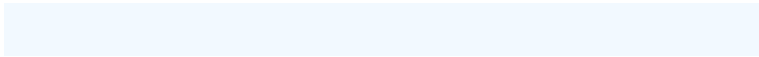
70.8132, 0.3224, 0.3538

Sweetspot

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



70.8161, 0.2866, 0.3091



94.0645, 0.3050, 0.3234



79.6043, 0.3004, 0.3541



19.9597, 0.3039, 0.3226



0.0000, 0.0000, 0.0000



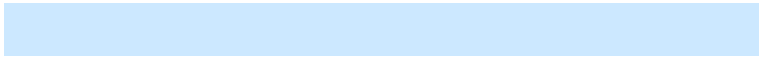
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8161, 0.2866, 0.3091



77.8323, 0.2812, 0.3046



61.1042, 0.2856, 0.2870



16.6732, 0.2980, 0.3181



12.7891, 0.1820, 0.1753



1.2623, 0.1881, 0.1972

Inverse Universe

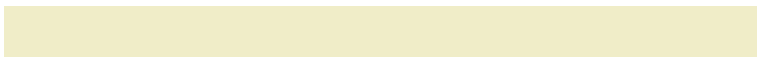
The Inverse Universe completely reimagines the original color for something new.



65.0889, 0.3277, 0.3058



70.2782, 0.3314, 0.3008



83.4343, 0.3382, 0.3678



15.9047, 0.3207, 0.3161



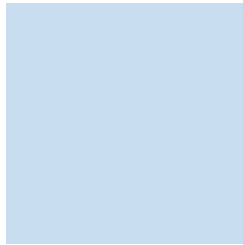
11.0844, 0.4742, 0.2386



0.9421, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 70.8132, 0.2866, 0.3091 looks on a white background.

Color Contrast Check

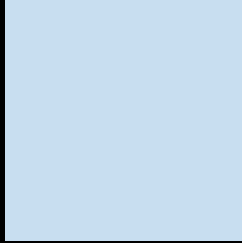
Large Text (above 18pt) WCAG AA × Fail

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 70.8132, 0.2866, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

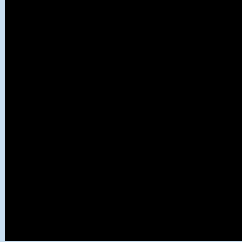
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

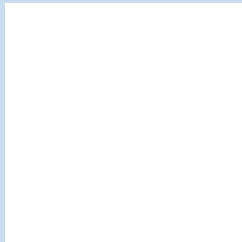
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8132, 0.2866, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 70.8132, 0.2866, 0.3091.



This preview shows how white text looks on a background with the Yxy color 70.8132, 0.2866, 0.3091.

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

70.8132, 0.2866, 0.3091

Protanopia

70.4918, 0.2997, 0.3074

Deuteranopia

70.6573, 0.3048, 0.2986



Tritanopia

70.8132, 0.2866, 0.3091

Trichromacy



Original Color

70.8132, 0.2866, 0.3091

Protanomaly

70.6850, 0.2950, 0.3083

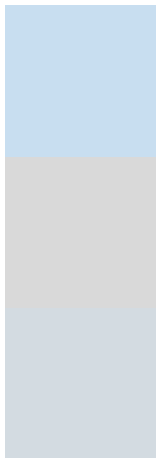
Deuteranomaly

70.3680, 0.2978, 0.3022

Tritanomaly

70.8132, 0.2866, 0.3091

Monochromacy



Original Color

70.8132, 0.2866, 0.3091

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9482, 0.3032, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8132, 0.2866, 0.3091 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(200, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 222, 240)  
}
```

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(200, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 222, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.8132, 0.2866, 0.3091 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(200, 222, 240) }
```

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

```
.border{ border-color:rgb(200, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 222,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8132, 0.2866, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 222, 240) }
```

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

```
.background{ background-color: rgb(200,  
222, 240) }
```

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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