

Converting Colors

$Yxy(70.8475, 0.3029, 0.3184)$

Have a look what the booklet for
Yxy(70.8475, 0.3029, 0.3184)
contains.

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Color

Yxy(70.6163, 0.3027, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	D6DBE5
RGB	214, 219, 229
RGB Percent	84%, 86%, 90%
CMY	0.1606, 0.1412, 0.1019
CMYK	0.07, 0.04, 0.00, 0.10
HSL	220°, 22%, 87%
HSV	220°, 7%, 90%
XYZ	67.2187, 70.6163, 84.2288
YIQ	218.6450, -6.1900, 2.0500

Conversions

Conversions Part 2

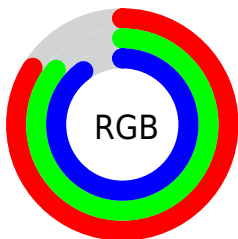
Format	Color
R _Y B	214, 218, 229
Decimal	14080997
CIE Lab	87.30, 0.22, -5.50
CIE LCh	87, 5.500, 272.304
Yxy	70.6163, 0.3027, 0.3180
Android (android.graphics.Color)	4292271077 (0xFFD6DBE5)
YUV	218.6450, 5.1050, -4.0737
Hunter-Lab	84.0335, -4.2758, -0.6043

Details

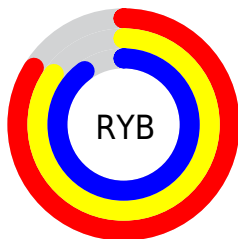
The Yxy color `70.6163, 0.3027, 0.3180` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.8742, 0.3228, 0.3398`, and the grayscale version is `70.5541, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.9778, 0.2996, 0.3147` is the 20% darker color. If you saturate the color by 10%, you get `59.7693, 0.2864, 0.2994`, and if you desaturate by 10%, it is `82.6922, 0.3178, 0.3345`.

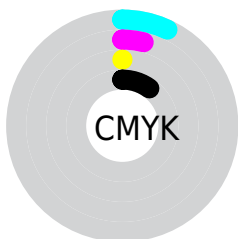
Distribution



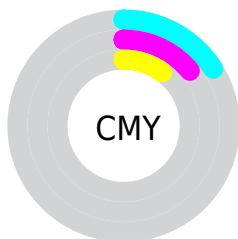
- Red (84%)
- Green (86%)
- Blue (90%)



- Red (84%)
- Yellow (85%)
- Blue (90%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6163, 0.3027, 0.3180 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 70.6163, 0.3027, 0.3180 by changing the saturation by 10% instead.

■ 70.6163, 0.3027,
0.3180

■ 70.6163, 0.3027,
0.3180

462.7110, 0.3074,
0.3231

■ 52.0291, 0.3016,
0.3168

120.0872, 0.3043,
0.3198

■ 37.0283, 0.3003,
0.3154

151.7398, 0.3050,
0.3205

■ 25.2294, 0.2986,
0.3135

188.5162, 0.3055,
0.3211

■ 16.2480, 0.2964,
0.3111

230.8010, 0.3060,
0.3216

■ 9.6998, 0.2934,
0.3078

278.9784, 0.3064,
0.3220

■ 5.2004, 0.2889,
0.3029

333.4330, 0.3067,

■ 2.3653, 0.2819,

0.3224

0.2952

394.5491, 0.3071,
0.3228

0.8080, 0.2688,
0.2808

0.0000, 0.0000,
0.0000

70.6163, 0.3027,
0.3180

70.6163, 0.3027,
0.3180

59.7693, 0.2864,
0.2994

82.6922, 0.3178,
0.3345

50.1021, 0.2692,
0.2787

95.0933, 0.3285,
0.3492

41.5756, 0.2513,
0.2560

98.4382, 0.3280,
0.3542

34.1449, 0.2332,
0.2316

■ 27.7619, 0.2156,
0.2060

■ 22.3745, 0.1992,
0.1800

■ 17.9255, 0.1848,
0.1548

■ 14.3504, 0.1732,
0.1314

■ 11.5733, 0.1648,
0.1110

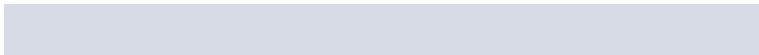
Harmonies

Analogous

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



70.6163, 0.2999, 0.3210



70.6163, 0.3027, 0.3180



70.6163, 0.3082, 0.3179

Triad

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



70.6163, 0.3027, 0.3180



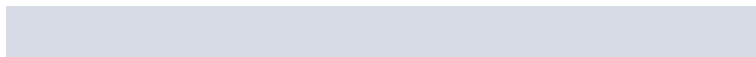
70.6163, 0.3251, 0.3315



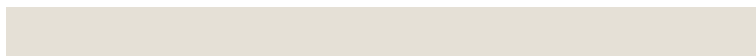
70.6163, 0.3104, 0.3376

Complementary

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



70.6163, 0.3027, 0.3180



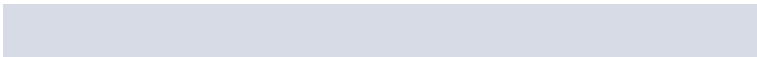
74.8742, 0.3228, 0.3398

Split Complementary

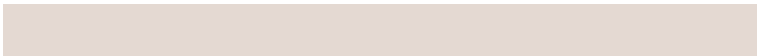
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6163, 0.3172, 0.3404



70.6163, 0.3027, 0.3180



70.6163, 0.3257, 0.3368

Square

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



70.6163, 0.3027, 0.3180



70.6163, 0.3211, 0.3256



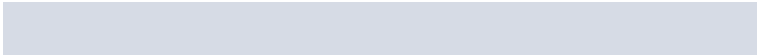
70.6163, 0.3228, 0.3401



70.6163, 0.3044, 0.3324

Rectangle

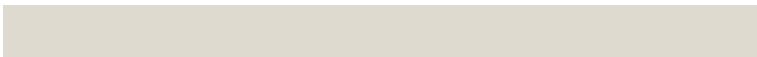
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6163, 0.3027, 0.3180



70.6163, 0.3126, 0.3195



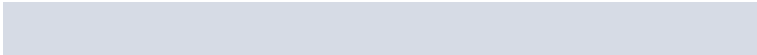
70.6163, 0.3228, 0.3401



70.6163, 0.3127, 0.3388

Sweetspot

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



70.6193, 0.3027, 0.3180



96.8842, 0.3097, 0.3257



75.7363, 0.3057, 0.3344



20.7699, 0.3098, 0.3259



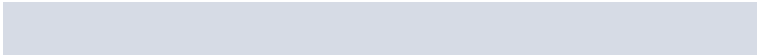
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



70.6193, 0.3027, 0.3180



87.9196, 0.3003, 0.3153



68.4600, 0.3045, 0.3126



14.6598, 0.2981, 0.3128



6.3498, 0.1632, 0.1075



0.6344, 0.1713, 0.1367

Inverse Universe

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



69.8944, 0.3203, 0.3237



86.8184, 0.3222, 0.3225



77.1603, 0.3206, 0.3450



14.4460, 0.3241, 0.3213



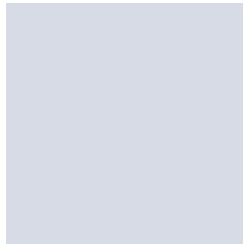
9.8387, 0.5648, 0.2885



0.7437, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 70.6163, 0.3027, 0.3180 looks on a white background.

Color Contrast Check

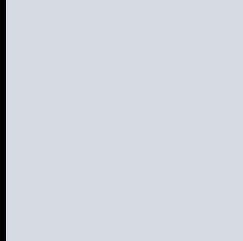
Large Text (above 18pt) WCAG AA × Fail

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 70.6163, 0.3027, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

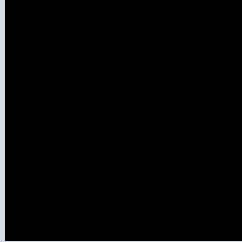
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

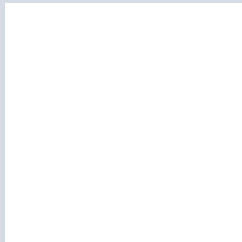
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6163, 0.3027, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 70.6163, 0.3027, 0.3180.

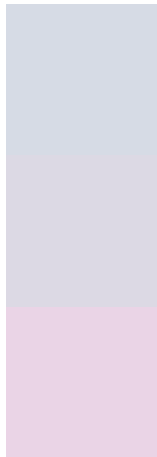


This preview shows how white text looks on a background with the Yxy color 70.6163, 0.3027, 0.3180.

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

70.6163, 0.3027, 0.3180

Protanopia

70.4428, 0.3076, 0.3171

Deuteranopia

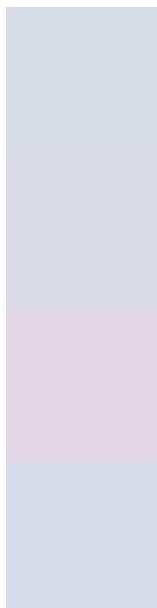
70.2926, 0.3165, 0.3101



Tritanopia

70.5880, 0.2995, 0.3105

Trichromacy



Original Color

70.6163, 0.3027, 0.3180

Protanomaly

70.6497, 0.3061, 0.3181

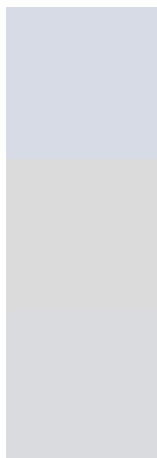
Deuteranomaly

70.6449, 0.3113, 0.3130

Tritanomaly

70.4731, 0.3008, 0.3127

Monochromacy



Original Color

70.6163, 0.3027, 0.3180

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.7425, 0.3087, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6163, 0.3027, 0.3180 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(214, 219, 229)` looks like.

```
.text, #text, p{  
    color:rgb(214, 219, 229)  
}
```

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(214, 219, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 219, 229) }
```

Border

The CSS property to change the border of an element to Yxy 70.6163, 0.3027, 0.3180 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(214, 219, 229) }
```

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

```
.border{ border-color:rgb(214, 219, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 219, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 219, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 219, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 219,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6163, 0.3027, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 219, 229) }
```

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

```
.background{ background-color: rgb(214,  
219, 229) }
```

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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