

Converting Colors

$Yxy(72.7752, 0.3022, 0.3181)$

Have a look what the booklet for
Yxy(72.7752, 0.3022, 0.3181)
contains.

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Color

Yxy(72.6677, 0.3021, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	D8DEE8
RGB	216, 222, 232
RGB Percent	85%, 87%, 91%
CMY	0.1531, 0.1293, 0.0903
CMYK	0.07, 0.04, 0.00, 0.09
HSL	217°, 26%, 88%
HSV	217°, 7%, 91%
XYZ	68.9909, 72.6677, 86.7125
YIQ	221.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

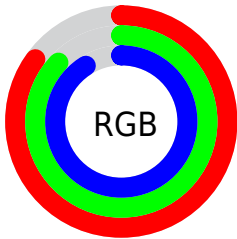
Format	Color
R _Y B	216, 220, 232
Decimal	14212840
CIE Lab	88.29, -0.17, -5.57
CIE LCh	88, 5.577, 268.271
Yxy	72.6677, 0.3021, 0.3182
Android (android.graphics.Color)	4292402920 (0xFFD8DEE8)
YUV	221.3460, 5.2524, -4.6884
Hunter-Lab	85.2454, -4.7154, -0.6387

Details

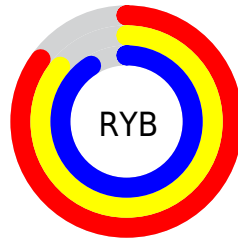
The Yxy color **72.6677, 0.3021, 0.3182** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.4442, 0.3235, 0.3396**, and the grayscale version is **72.5239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3491, 0.2998, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **62.0558, 0.2859, 0.3009**, and if you desaturate by 10%, it is **84.4382, 0.3173, 0.3335**.

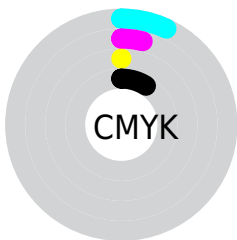
Distribution



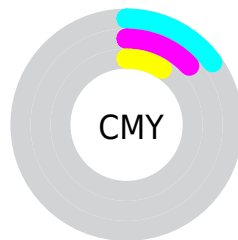
- Red (85%)
- Green (87%)
- Blue (91%)



- Red (85%)
- Yellow (86%)
- Blue (91%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6677, 0.3021, 0.3182 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 72.6677, 0.3021, 0.3182 by changing the saturation by 10% instead.

■ 72.6677, 0.3021,
0.3182

■ 72.6677, 0.3021,
0.3182

469.8623, 0.3070,
0.3232

■ 53.7043, 0.3010,
0.3171

123.0054, 0.3038,
0.3199

■ 38.3653, 0.2996,
0.3156

155.1484, 0.3045,
0.3206

■ 26.2663, 0.2978,
0.3138

192.4534, 0.3050,
0.3212

■ 17.0230, 0.2955,
0.3115

235.3048, 0.3055,
0.3217

■ 10.2509, 0.2924,
0.3083

284.0870, 0.3060,
0.3221

■ 5.5656, 0.2879,
0.3037

339.1844, 0.3064,

■ 2.5828, 0.2807,

0.3225

0.2964

400.9814, 0.3067,
0.3229

0.9180, 0.2680,
0.2833

0.0000, 0.0000,
0.0000

72.6677, 0.3021,
0.3182

72.6677, 0.3021,
0.3182

62.0558, 0.2859,
0.3009

84.4382, 0.3173,
0.3335

52.5562, 0.2689,
0.2817

95.9737, 0.3266,
0.3473

44.1329, 0.2514,
0.2607

98.6046, 0.3262,
0.3513

36.7442, 0.2339,
0.2380

■ 30.3454, 0.2169,
0.2143

■ 24.8882, 0.2012,
0.1900

■ 20.3191, 0.1874,
0.1662

■ 16.5780, 0.1763,
0.1437

■ 13.5923, 0.1682,
0.1235

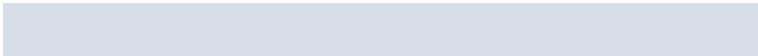
Harmonies

Analogous

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



72.6677, 0.2997, 0.3216



72.6677, 0.3021, 0.3182



72.6677, 0.3073, 0.3177

Triad

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



72.6677, 0.3021, 0.3182



72.6677, 0.3248, 0.3307



72.6677, 0.3114, 0.3382

Complementary

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



72.6677, 0.3021, 0.3182



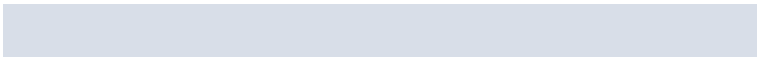
76.4442, 0.3235, 0.3396

Split Complementary

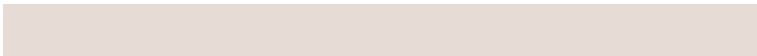
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6677, 0.3181, 0.3406



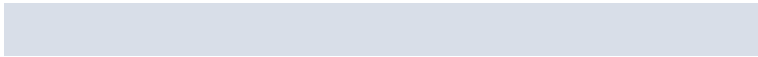
72.6677, 0.3021, 0.3182



72.6677, 0.3259, 0.3362

Square

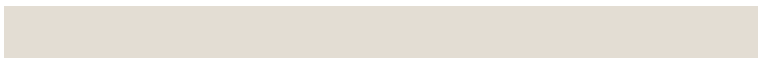
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6677, 0.3021, 0.3182



72.6677, 0.3204, 0.3249



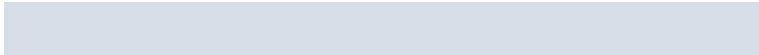
72.6677, 0.3234, 0.3399



72.6677, 0.3050, 0.3332

Rectangle

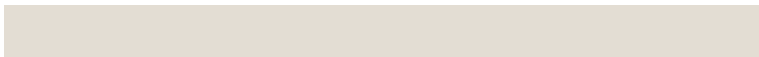
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6677, 0.3021, 0.3182



72.6677, 0.3117, 0.3190



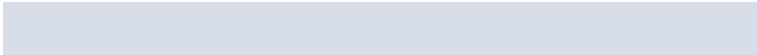
72.6677, 0.3234, 0.3399



72.6677, 0.3136, 0.3393

Sweetspot

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



72.6708, 0.3021, 0.3182



97.0416, 0.3097, 0.3260



77.7708, 0.3058, 0.3356



20.8020, 0.3098, 0.3261



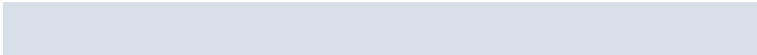
0.0000, 0.0000, 0.0000



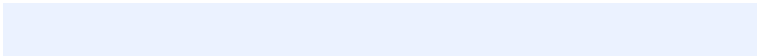
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6708, 0.3021, 0.3182



88.5167, 0.3003, 0.3163



69.7880, 0.3035, 0.3116



14.7780, 0.2981, 0.3140



7.3280, 0.1669, 0.1207



0.7161, 0.1750, 0.1499

Inverse Universe

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



71.5123, 0.3203, 0.3226



86.8787, 0.3216, 0.3215



79.4932, 0.3216, 0.3460



14.4579, 0.3233, 0.3201



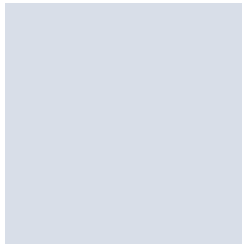
9.9375, 0.5457, 0.2780



0.7520, 0.5061, 0.2562

Previews

White Background



This preview shows how the Yxy color 72.6677, 0.3021, 0.3182 looks on a white background.

Color Contrast Check

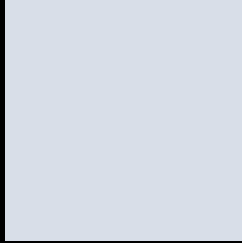
Large Text (above 18pt) WCAG AA × Fail

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 72.6677, 0.3021, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

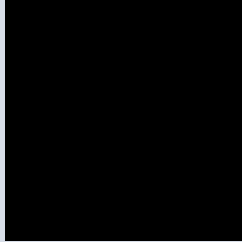
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

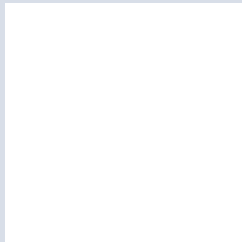
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6677, 0.3021, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 72.6677, 0.3021, 0.3182.

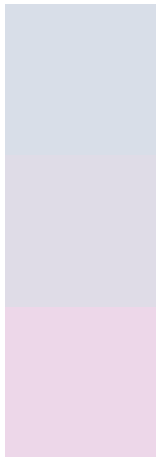


This preview shows how white text looks on a background with the Yxy color 72.6677, 0.3021, 0.3182.

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

72.6677, 0.3021, 0.3182

Protanopia

72.6439, 0.3076, 0.3172

Deuteranopia

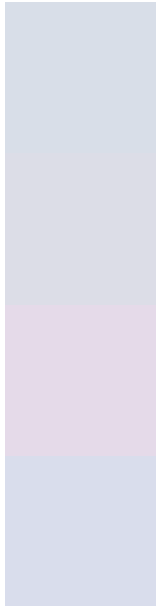
72.4886, 0.3165, 0.3103



Tritanopia

72.6377, 0.2990, 0.3107

Trichromacy



Original Color

72.6677, 0.3021, 0.3182

Protanomaly

72.6981, 0.3055, 0.3182

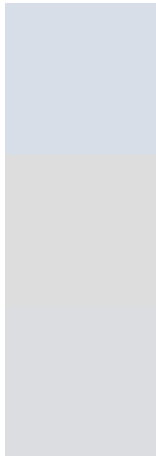
Deuteranomaly

72.6840, 0.3106, 0.3132

Tritanomaly

72.5207, 0.3003, 0.3128

Monochromacy



Original Color

72.6677, 0.3021, 0.3182

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.2092, 0.3087, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6677, 0.3021, 0.3182 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(216, 222, 232) looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 232)  
}
```

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(216, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 72.6677, 0.3021, 0.3182 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(216, 222, 232) }
```

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

```
.border{ border-color:rgb(216, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6677, 0.3021, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 232) }
```

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

```
.background{ background-color: rgb(216,  
222, 232) }
```

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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