

Converting Colors

$Y_{xy}(75.2382, 0.3025, 0.3176)$

Have a look what the booklet for
Yxy(75.2382, 0.3025, 0.3176)
contains.

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Color

Yxy(75.1222, 0.3023, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	DCE1EC
RGB	220, 225, 236
RGB Percent	86%, 88%, 93%
CMY	0.1374, 0.1176, 0.0746
CMYK	0.07, 0.05, 0.00, 0.07
HSL	221°, 30%, 89%
HSV	221°, 7%, 93%
XYZ	71.5709, 75.1222, 90.0614
YIQ	224.7590, -6.5110, 2.3610

Conversions

Conversions Part 2

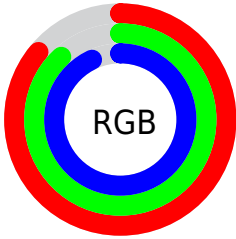
Format	Color
R _Y B	220, 224, 236
Decimal	14475756
CIE Lab	89.45, 0.36, -5.93
CIE LCh	89, 5.940, 273.468
Yxy	75.1222, 0.3023, 0.3173
Android (android.graphics.Color)	4292665836 (0xFFDCE1EC)
YUV	224.7590, 5.5418, -4.1736
Hunter-Lab	86.6731, -4.2803, -0.9367

Details

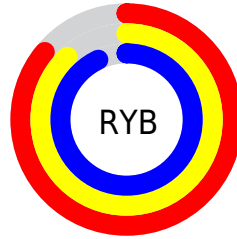
The Yxy color **75.1222, 0.3023, 0.3173** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.1054, 0.3232, 0.3404**, and the grayscale version is **75.0742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0441, 0.3001, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **63.3720, 0.2860, 0.2982**, and if you desaturate by 10%, it is **88.2252, 0.3175, 0.3342**.

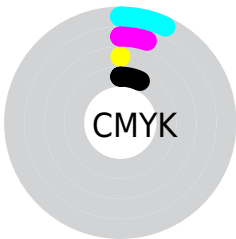
Distribution



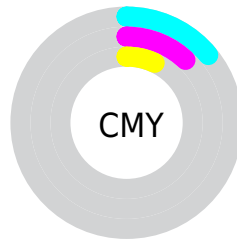
- Red (86%)
- Green (88%)
- Blue (93%)



- Red (86%)
- Yellow (88%)
- Blue (93%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1222, 0.3023, 0.3173 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 75.1222, 0.3023, 0.3173 by changing the saturation by 10% instead.

■ 75.1222, 0.3023,
0.3173

■ 75.1222, 0.3023,
0.3173

478.3375, 0.3071,
0.3227

■ 55.7130, 0.3012,
0.3161

126.4853, 0.3040,
0.3192

■ 39.9729, 0.2999,
0.3146

159.2080, 0.3046,
0.3199

■ 27.5174, 0.2982,
0.3127

197.1374, 0.3052,
0.3205

■ 17.9622, 0.2960,
0.3102

240.6578, 0.3056,
0.3211

■ 10.9228, 0.2930,
0.3068

290.1536, 0.3061,
0.3215

■ 6.0150, 0.2887,
0.3020

346.0092, 0.3065,

■ 2.8542, 0.2820,

0.3220

0.2946

408.6090, 0.3068,
0.3223

■ 1.0561, 0.2702,
0.2815

■ 0.0000, 0.0000,
0.0000

■ 75.1222, 0.3023,
0.3173

■ 75.1222, 0.3023,
0.3173

■ 63.3720, 0.2860,
0.2982

■ 88.2252, 0.3175,
0.3342

■ 52.9207, 0.2686,
0.2769

■ 98.8344, 0.3238,
0.3474

■ 43.7243, 0.2505,
0.2536

■ 35.7329, 0.2323,
0.2285

■ 28.8928, 0.2144,
0.2023

■ 23.1460, 0.1978,
0.1759

■ 18.4285, 0.1834,
0.1503

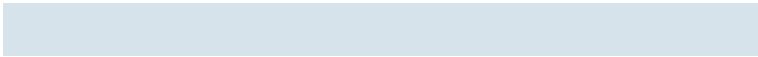
■ 14.6686, 0.1718,
0.1268

■ 11.7808, 0.1635,
0.1066

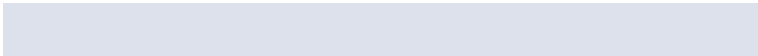
Harmonies

Analogous

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



75.1222, 0.2992, 0.3204



75.1222, 0.3023, 0.3173



75.1222, 0.3082, 0.3173

Triad

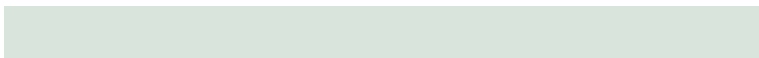
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1222, 0.3023, 0.3173



75.1222, 0.3259, 0.3319



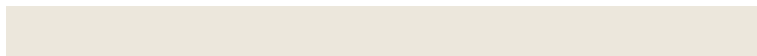
75.1222, 0.3100, 0.3379

Complementary

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



75.1222, 0.3023, 0.3173



80.1054, 0.3232, 0.3404

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.



75.1222, 0.3172, 0.3410



75.1222, 0.3023, 0.3173



75.1222, 0.3264, 0.3375

Square

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



75.1222, 0.3023, 0.3173



75.1222, 0.3218, 0.3257



75.1222, 0.3232, 0.3408



75.1222, 0.3037, 0.3323

Rectangle

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



75.1222, 0.3023, 0.3173



75.1222, 0.3129, 0.3190



75.1222, 0.3232, 0.3408



75.1222, 0.3124, 0.3393

Sweetspot

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



75.1254, 0.3023, 0.3173



96.8375, 0.3097, 0.3256



80.9499, 0.3052, 0.3343



20.7604, 0.3098, 0.3258



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.



75.1254, 0.3023, 0.3173



87.7429, 0.3003, 0.3150



72.9002, 0.3044, 0.3120



15.3238, 0.2980, 0.3124



6.2716, 0.1621, 0.1036



0.6593, 0.1698, 0.1311

Inverse Universe

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



74.4377, 0.3208, 0.3237



86.8006, 0.3224, 0.3227



82.4701, 0.3207, 0.3457



15.1323, 0.3243, 0.3216



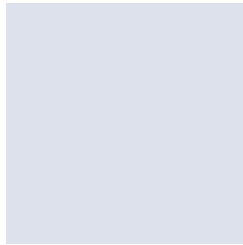
10.1259, 0.5704, 0.2916



0.8120, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 75.1222, 0.3023, 0.3173 looks on a white background.

Color Contrast Check

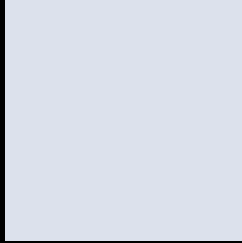
Large Text (above 18pt) WCAG AA × Fail

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 75.1222, 0.3023, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

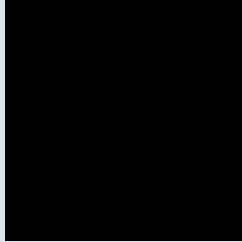
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

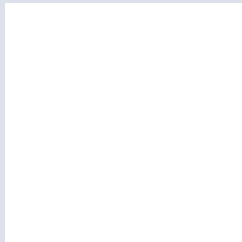
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.1222, 0.3023, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 75.1222, 0.3023, 0.3173.

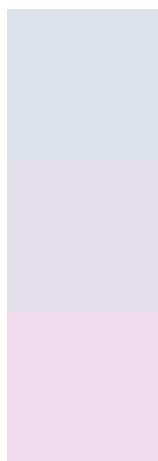


This preview shows how white text looks on a background with the Yxy color 75.1222, 0.3023, 0.3173.

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

75.1222, 0.3023, 0.3173

Protanopia

74.9423, 0.3071, 0.3163

Deuteranopia

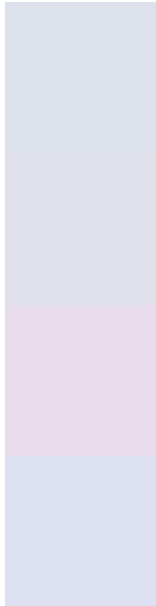
74.9580, 0.3165, 0.3096



Tritanopia

75.0943, 0.2993, 0.3100

Trichromacy



Original Color

75.1222, 0.3023, 0.3173

Protanomaly

75.1568, 0.3057, 0.3173

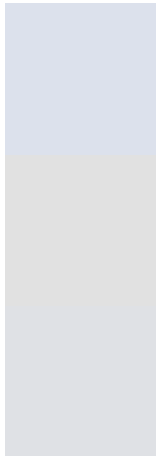
Deuteranomaly

75.1510, 0.3107, 0.3124

Tritanomaly

74.9747, 0.3005, 0.3120

Monochromacy



Original Color

75.1222, 0.3023, 0.3173

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.1955, 0.3088, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1222, 0.3023, 0.3173 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(220, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 225, 236)  
}
```

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(220, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.1222, 0.3023, 0.3173 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(220, 225, 236) }
```

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

```
.border{ border-color:rgb(220, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 225,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1222, 0.3023, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 225, 236) }
```

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

```
.background{ background-color: rgb(220,  
225, 236) }
```

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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