

Converting Colors

$Y_{xy}(75.1531, 0.2996, 0.3159)$

Have a look what the booklet for
Yxy(75.1531, 0.2996, 0.3159)
contains.

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Color

Yxy(75.4712, 0.2997, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	DAE2EE
RGB	218, 226, 238
RGB Percent	85%, 89%, 93%
CMY	0.1452, 0.1137, 0.0667
CMYK	0.08, 0.05, 0.00, 0.07
HSL	216°, 37%, 89%
HSV	216°, 8%, 93%
XYZ	71.5329, 75.4712, 91.6777
YIQ	224.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

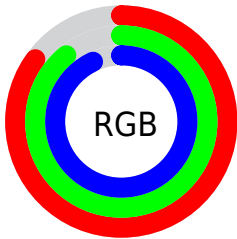
Format	Color
R _Y B	218, 224, 238
Decimal	14344942
CIE Lab	89.61, -0.42, -6.76
CIE LCh	90, 6.778, 266.415
Yxy	75.4712, 0.2997, 0.3162
Android (android.graphics.Color)	4292535022 (0xFFDAE2EE)
YUV	224.9760, 6.4208, -6.1180
Hunter-Lab	86.8742, -5.0513, -1.7564

Details

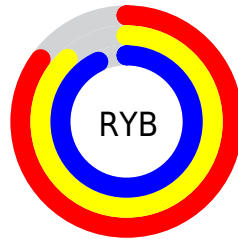
The Yxy color **75.4712, 0.2997, 0.3162** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7952, 0.3260, 0.3415**, and the grayscale version is **75.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2897, 0.2968, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **64.6442, 0.2834, 0.2993**, and if you desaturate by 10%, it is **87.4737, 0.3151, 0.3313**.

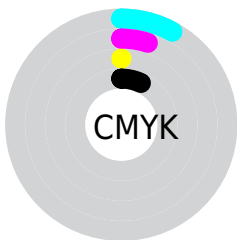
Distribution



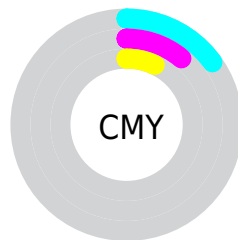
- Red (85%)
- Green (89%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4712, 0.2997, 0.3162 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 75.4712, 0.2997, 0.3162 by changing the saturation by 10% instead.

■ 75.4712, 0.2997,
0.3162

■ 75.4712, 0.2997,
0.3162

479.5356, 0.3057,
0.3221

■ 55.9990, 0.2983,
0.3149

126.9791, 0.3018,
0.3182

■ 40.2021, 0.2967,
0.3132

159.7837, 0.3026,
0.3190

■ 27.6962, 0.2946,
0.3111

197.8011, 0.3033,
0.3197

■ 18.0968, 0.2918,
0.3084

241.4158, 0.3039,
0.3203

■ 11.0195, 0.2881,
0.3048

291.0123, 0.3044,
0.3208

■ 6.0799, 0.2828,
0.2995

346.9748, 0.3049,

■ 2.8937, 0.2746,

0.3213

409.6877, 0.3053,
0.3217

0.2913

1.0765, 0.2603,
0.2771

0.0000, 0.0000,
0.0000

75.4712, 0.2997,
0.3162

75.4712, 0.2997,
0.3162

64.6442, 0.2834,
0.2993

87.4737, 0.3151,
0.3313

54.9453, 0.2664,
0.2805

98.6192, 0.3227,
0.3449

46.3375, 0.2491,
0.2600

98.9525, 0.3226,
0.3454

38.7783, 0.2318,
0.2380

■ 32.2217, 0.2153,
0.2150

■ 26.6179, 0.2001,
0.1915

■ 21.9118, 0.1870,
0.1685

■ 18.0407, 0.1766,
0.1467

■ 14.9221, 0.1689,
0.1270

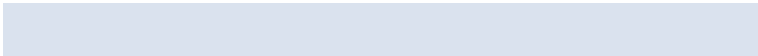
Harmonies

Analogous

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



75.4712, 0.2971, 0.3205



75.4712, 0.2997, 0.3162



75.4712, 0.3057, 0.3154

Triad

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



75.4712, 0.2997, 0.3162



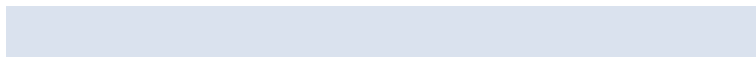
75.4712, 0.3270, 0.3306



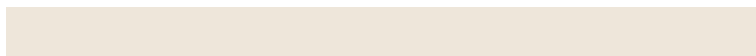
75.4712, 0.3116, 0.3403

Complementary

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



75.4712, 0.2997, 0.3162



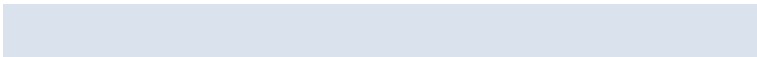
79.7952, 0.3260, 0.3415

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.



75.4712, 0.3196, 0.3430



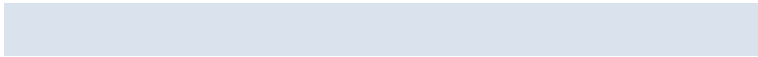
75.4712, 0.2997, 0.3162



75.4712, 0.3286, 0.3373

Square

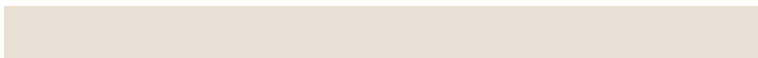
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4712, 0.2997, 0.3162



75.4712, 0.3215, 0.3236



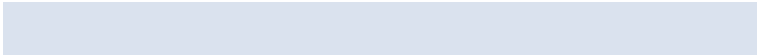
75.4712, 0.3258, 0.3419



75.4712, 0.3039, 0.3345

Rectangle

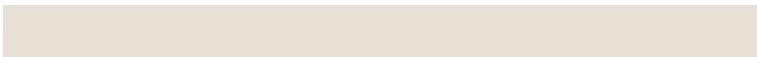
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



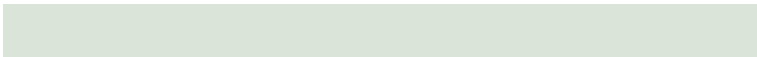
75.4712, 0.2997, 0.3162



75.4712, 0.3110, 0.3168



75.4712, 0.3258, 0.3419



75.4712, 0.3143, 0.3416

Sweetspot

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



75.4744, 0.2997, 0.3162



95.6940, 0.3081, 0.3246



81.7370, 0.3047, 0.3378



20.2407, 0.3069, 0.3234



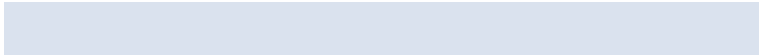
0.0000, 0.0000, 0.0000



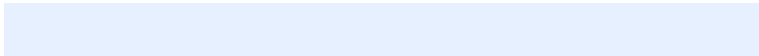
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4744, 0.2997, 0.3162



86.1352, 0.2971, 0.3136



71.4557, 0.3008, 0.3075



16.2719, 0.2980, 0.3145



8.3176, 0.1686, 0.1270



0.8818, 0.1758, 0.1529

Inverse Universe

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



73.7921, 0.3217, 0.3206



83.8523, 0.3237, 0.3190



84.0917, 0.3241, 0.3497



15.8642, 0.3230, 0.3195



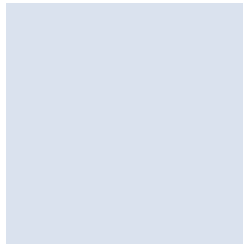
10.6330, 0.5369, 0.2731



0.9037, 0.5021, 0.2540

Previews

White Background



This preview shows how the Yxy color 75.4712, 0.2997, 0.3162 looks on a white background.

Color Contrast Check

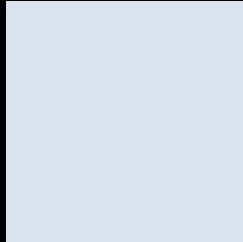
Large Text (above 18pt) WCAG AA × Fail

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 75.4712, 0.2997, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

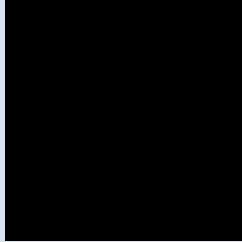
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

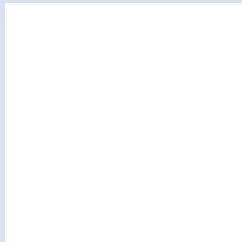
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4712, 0.2997, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 75.4712, 0.2997, 0.3162.

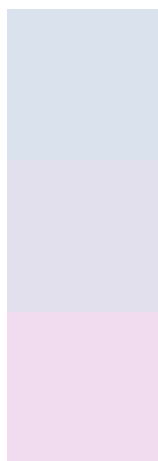


This preview shows how white text looks on a background with the Yxy color 75.4712, 0.2997, 0.3162.

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

75.4712, 0.2997, 0.3162

Protanopia

75.5945, 0.3058, 0.3153

Deuteranopia

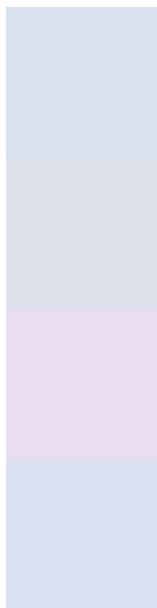
75.4203, 0.3144, 0.3085



Tritanopia

75.3816, 0.2973, 0.3099

Trichromacy



Original Color

75.4712, 0.2997, 0.3162

Protanomaly

75.6528, 0.3037, 0.3163

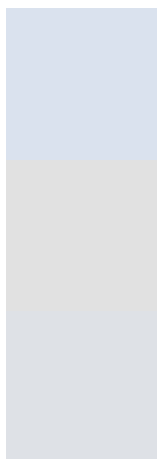
Deuteranomaly

75.6304, 0.3087, 0.3113

Tritanomaly

75.2614, 0.2985, 0.3120

Monochromacy



Original Color

75.4712, 0.2997, 0.3162

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.0932, 0.3074, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4712, 0.2997, 0.3162 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(218, 226, 238)` looks like.

```
.text, #text, p{  
    color:rgb(218, 226, 238)  
}
```

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(218, 226, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 226, 238) }
```

Border

The CSS property to change the border of an element to Yxy 75.4712, 0.2997, 0.3162 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(218, 226, 238) }
```

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

```
.border{ border-color:rgb(218, 226, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 226, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 226, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 226, 238);  
box-shadow:4px 4px 4px 4px rgb(218, 226,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4712, 0.2997, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 226, 238) }
```

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

```
.background{ background-color: rgb(218,  
226, 238) }
```

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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