

Converting Colors

$Yxy(76.8808, 0.3021, 0.3184)$

Have a look what the booklet for
Yxy(76.8808, 0.3021, 0.3184)
contains.

Yxy(77.0320, 0.3017, 0.3184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.0320, 0.3017, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4EE
RGB	221, 228, 238
RGB Percent	87%, 89%, 93%
CMY	0.1334, 0.1058, 0.0667
CMYK	0.07, 0.04, 0.00, 0.07
HSL	215°, 33%, 90%
HSV	215°, 7%, 93%
XYZ	72.9917, 77.0320, 91.9110
YIQ	227.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

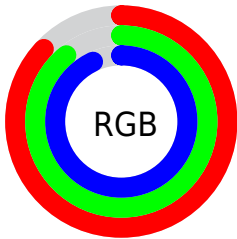
Format	Color
R _Y B	221, 226, 238
Decimal	14542062
CIE Lab	90.34, -0.47, -5.68
CIE LCh	90, 5.697, 265.270
Yxy	77.0320, 0.3017, 0.3184
Android (android.graphics.Color)	4292732142 (0xFFDDE4EE)
YUV	227.0470, 5.3998, -5.3032
Hunter-Lab	87.7679, -5.1452, -0.6513

Details

The Yxy color `77.0320, 0.3017, 0.3184` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.5384, 0.3240, 0.3394`, and the grayscale version is `76.8166, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3715, 0.2993, 0.3166` is the 20% darker color. If you saturate the color by 10%, you get `66.1775, 0.2855, 0.3020`, and if you desaturate by 10%, it is `89.0444, 0.3170, 0.3330`.

Distribution



Red (87%)

Green (89%)

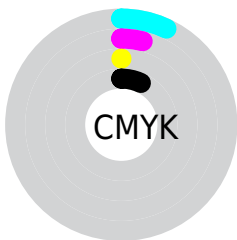
Blue (93%)



Red (87%)

Yellow (89%)

Blue (93%)

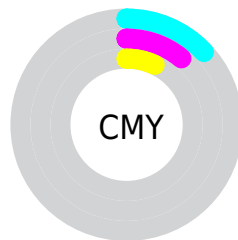


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0320, 0.3017, 0.3184 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 77.0320, 0.3017, 0.3184 by changing the saturation by 10% instead.

■ 77.0320, 0.3017,
0.3184

■ 77.0320, 0.3017,
0.3184

484.8731, 0.3067,
0.3233

■ 57.2791, 0.3006,
0.3173

129.1847, 0.3034,
0.3201

■ 41.2294, 0.2992,
0.3159

162.3532, 0.3041,
0.3207

■ 28.4984, 0.2974,
0.3142

200.7625, 0.3047,
0.3213

■ 18.7017, 0.2951,
0.3120

244.7969, 0.3052,
0.3218

■ 11.4549, 0.2920,
0.3090

294.8407, 0.3057,
0.3222

■ 6.3737, 0.2876,
0.3047

351.2785, 0.3061,

■ 3.0736, 0.2808,

0.3226

0.2981

414.4945, 0.3064,
0.3230

■ 1.1703, 0.2690,
0.2866

■ 0.0372, 0.0480,
0.0747

■ 77.0320, 0.3017,
0.3184

■ 77.0320, 0.3017,
0.3184

■ 66.1775, 0.2855,
0.3020

■ 89.0444, 0.3170,
0.3330

■ 56.4344, 0.2687,
0.2838

■ 98.9532, 0.3226,
0.3454

■ 47.7670, 0.2514,
0.2639

■ 40.1340, 0.2343,
0.2425

■ 33.4908, 0.2178,
0.2200

■ 27.7893, 0.2026,
0.1969

■ 22.9760, 0.1893,
0.1741

■ 18.9908, 0.1785,
0.1524

■ 15.7597, 0.1706,
0.1325

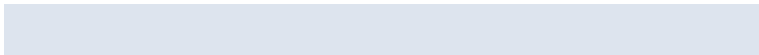
Harmonies

Analogous

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



77.0320, 0.2997, 0.3221



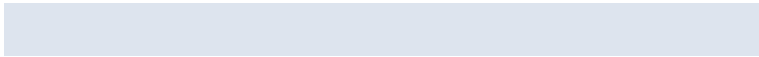
77.0320, 0.3017, 0.3184



77.0320, 0.3067, 0.3176

Triad

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



77.0320, 0.3017, 0.3184



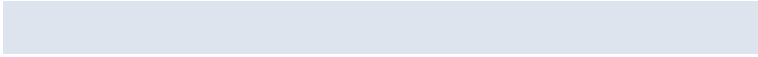
77.0320, 0.3245, 0.3301



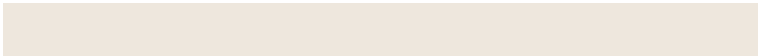
77.0320, 0.3120, 0.3386

Complementary

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



77.0320, 0.3017, 0.3184



80.5384, 0.3240, 0.3394

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.



77.0320, 0.3187, 0.3407



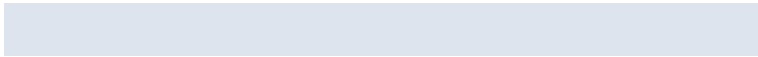
77.0320, 0.3017, 0.3184



77.0320, 0.3260, 0.3358

Square

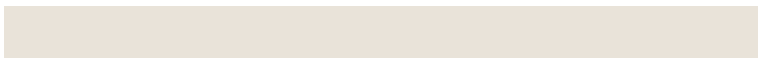
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0320, 0.3017, 0.3184



77.0320, 0.3198, 0.3243



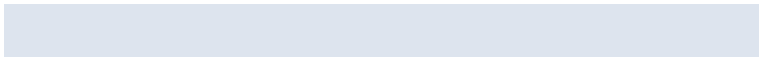
77.0320, 0.3238, 0.3397



77.0320, 0.3056, 0.3338

Rectangle

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



77.0320, 0.3017, 0.3184



77.0320, 0.3110, 0.3187



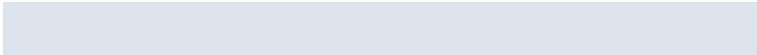
77.0320, 0.3238, 0.3397



77.0320, 0.3143, 0.3396

Sweetspot

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



77.0353, 0.3017, 0.3184



97.1492, 0.3097, 0.3261



82.2852, 0.3059, 0.3365



20.8239, 0.3098, 0.3263



0.0000, 0.0000, 0.0000



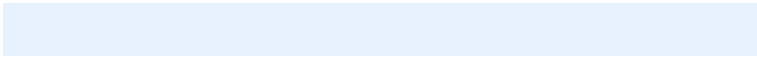
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0353, 0.3017, 0.3184



87.6036, 0.2987, 0.3155



73.4733, 0.3027, 0.3109



16.3002, 0.2980, 0.3148



8.5808, 0.1695, 0.1301



0.9053, 0.1767, 0.1559

Inverse Universe

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



75.4859, 0.3202, 0.3217



85.3834, 0.3223, 0.3198



84.3032, 0.3223, 0.3466



15.8670, 0.3228, 0.3193



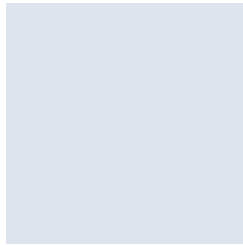
10.6596, 0.5325, 0.2707



0.9061, 0.4983, 0.2519

Previews

White Background



This preview shows how the Yxy color 77.0320, 0.3017, 0.3184 looks on a white background.

Color Contrast Check

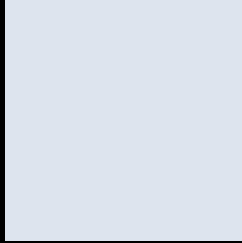
Large Text (above 18pt) WCAG AA × Fail

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 77.0320, 0.3017, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

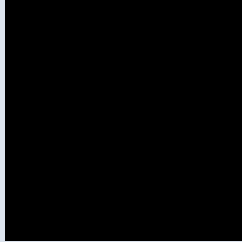
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

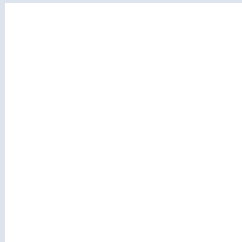
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0320, 0.3017, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 77.0320, 0.3017, 0.3184.

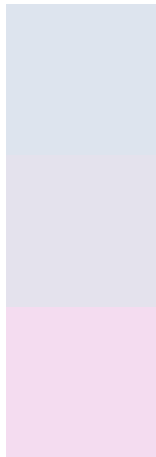


This preview shows how white text looks on a background with the Yxy color 77.0320, 0.3017, 0.3184.

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

77.0320, 0.3017, 0.3184

Protanopia

77.0011, 0.3071, 0.3175

Deuteranopia

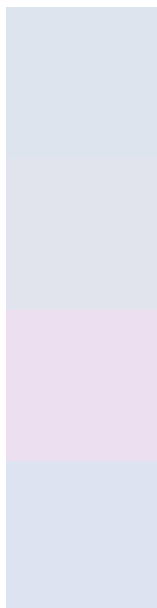
76.7108, 0.3165, 0.3088



Tritanopia

77.0603, 0.2981, 0.3101

Trichromacy



Original Color

77.0320, 0.3017, 0.3184

Protanomaly

77.0601, 0.3050, 0.3185

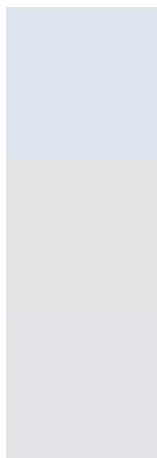
Deuteranomaly

76.8402, 0.3114, 0.3125

Tritanomaly

76.8786, 0.2999, 0.3132

Monochromacy



Original Color

77.0320, 0.3017, 0.3184

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7152, 0.3088, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0320, 0.3017, 0.3184 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(221, 228, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 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(221, 228, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 238) }
```

Border

The CSS property to change the border of an element to Yxy 77.0320, 0.3017, 0.3184 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(221, 228, 238) }
```

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

```
.border{ border-color:rgb(221, 228, 238) }
```

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

Here you see how a box with a 4 pixel rgb(221, 228, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0320, 0.3017, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 238) }
```

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

```
.background{ background-color: rgb(221,  
228, 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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