

Converting Colors

$Yxy(77.2413, 0.3060, 0.3217)$

Have a look what the booklet for
Yxy(77.2413, 0.3060, 0.3217)
contains.

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Color

Yxy(77.3323, 0.3056, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	E0E4EB
RGB	224, 228, 235
RGB Percent	88%, 89%, 92%
CMY	0.1214, 0.1059, 0.0785
CMYK	0.05, 0.03, 0.00, 0.08
HSL	218°, 22%, 90%
HSV	218°, 5%, 92%
XYZ	73.4849, 77.3323, 89.6439
YIQ	227.6020, -4.6310, 1.3290

Conversions

Conversions Part 2

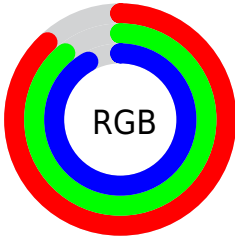
Format	Color
R _Y B	224, 227, 235
Decimal	14738667
CIE Lab	90.47, -0.04, -3.87
CIE LCh	90, 3.873, 269.473
Yxy	77.3323, 0.3056, 0.3216
Android (android.graphics.Color)	4292928747 (0xFFE0E4EB)
YUV	227.6020, 3.6472, -3.1590
Hunter-Lab	87.9388, -4.7316, 1.1175

Details

The Yxy color **77.3323, 0.3056, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.2104, 0.3199, 0.3363**, and the grayscale version is **77.2573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5768, 0.3043, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **65.9405, 0.2896, 0.3043**, and if you desaturate by 10%, it is **89.9651, 0.3206, 0.3370**.

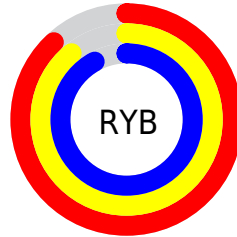
Distribution



Red (88%)

Green (89%)

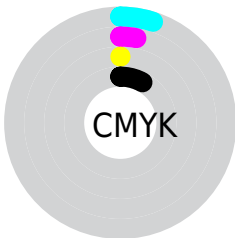
Blue (92%)



Red (88%)

Yellow (89%)

Blue (92%)

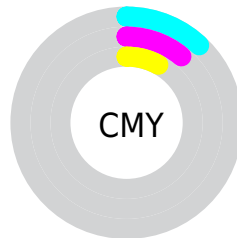


Cyan (5%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3323, 0.3056, 0.3216 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 77.3323, 0.3056, 0.3216 by changing the saturation by 10% instead.

■ 77.3323, 0.3056,
0.3216

■ 77.3323, 0.3056,
0.3216

485.8963, 0.3089,
0.3250

■ 57.5256, 0.3049,
0.3208

129.6085, 0.3067,
0.3228

■ 41.4274, 0.3040,
0.3199

162.8467, 0.3072,
0.3232

■ 28.6532, 0.3028,
0.3187

201.3310, 0.3075,
0.3236

■ 18.8186, 0.3013,
0.3171

245.4457, 0.3079,
0.3240

■ 11.5393, 0.2993,
0.3151

295.5752, 0.3082,
0.3243

■ 6.4308, 0.2965,
0.3121

352.1038, 0.3084,

■ 3.1088, 0.2920,

0.3245

0.3075

415.4161, 0.3087,
0.3248

■ 1.1888, 0.2843,
0.2994

■ 0.0525, 0.1142,
0.1223

■ 77.3323, 0.3056,
0.3216

■ 77.3323, 0.3056,
0.3216

■ 65.9405, 0.2896,
0.3043

■ 89.9651, 0.3206,
0.3370

■ 55.7407, 0.2726,
0.2850

■ 98.7777, 0.3244,
0.3483

■ 46.6947, 0.2551,
0.2637

■ 38.7586, 0.2373,
0.2407

■ 31.8852, 0.2199,
0.2164

■ 26.0238, 0.2036,
0.1916

■ 21.1186, 0.1892,
0.1670

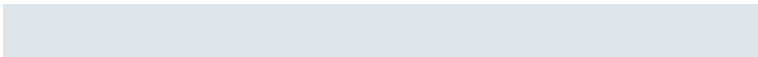
■ 17.1071, 0.1773,
0.1438

■ 13.9166, 0.1684,
0.1229

Harmonies

Analogous

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



77.3323, 0.3039, 0.3239



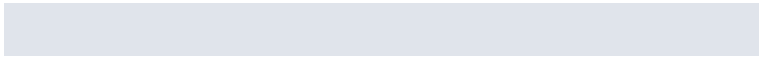
77.3323, 0.3056, 0.3216



77.3323, 0.3092, 0.3213

Triad

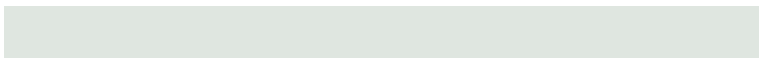
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3323, 0.3056, 0.3216



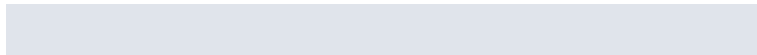
77.3323, 0.3210, 0.3304



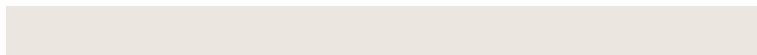
77.3323, 0.3116, 0.3351

Complementary

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



77.3323, 0.3056, 0.3216



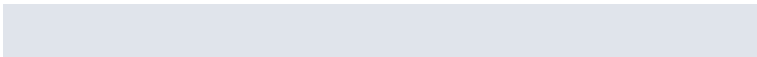
80.2104, 0.3199, 0.3363

Split Complementary

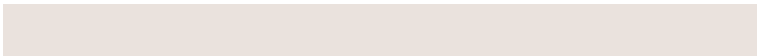
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3323, 0.3162, 0.3369



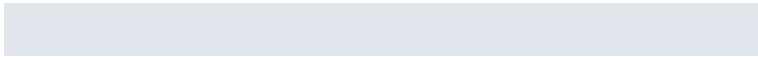
77.3323, 0.3056, 0.3216



77.3323, 0.3216, 0.3341

Square

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



77.3323, 0.3056, 0.3216



77.3323, 0.3181, 0.3263



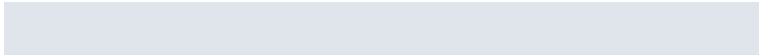
77.3323, 0.3199, 0.3365



77.3323, 0.3074, 0.3317

Rectangle

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



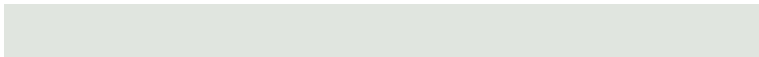
77.3323, 0.3056, 0.3216



77.3323, 0.3122, 0.3223



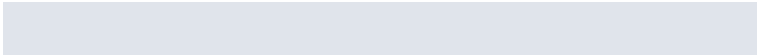
77.3323, 0.3199, 0.3365



77.3323, 0.3132, 0.3359

Sweetspot

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



77.3356, 0.3056, 0.3216



98.4858, 0.3112, 0.3274



81.0326, 0.3079, 0.3332



21.0960, 0.3113, 0.3275



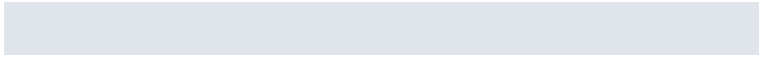
0.0000, 0.0000, 0.0000



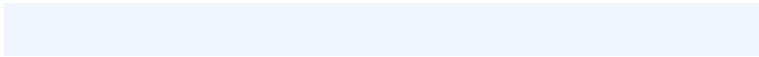
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3356, 0.3056, 0.3216



91.1412, 0.3035, 0.3194



75.4124, 0.3067, 0.3174



16.1500, 0.3025, 0.3184



7.1792, 0.1655, 0.1157



0.7408, 0.1732, 0.1434

Inverse Universe

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



76.5901, 0.3178, 0.3249



90.0108, 0.3194, 0.3237



82.2089, 0.3186, 0.3404



15.9302, 0.3201, 0.3231



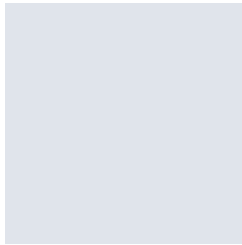
10.2176, 0.5527, 0.2819



0.8202, 0.5146, 0.2608

Previews

White Background



This preview shows how the Yxy color 77.3323, 0.3056, 0.3216 looks on a white background.

Color Contrast Check

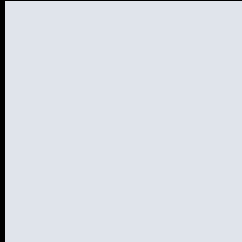
Large Text (above 18pt) WCAG AA × Fail

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 77.3323, 0.3056, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

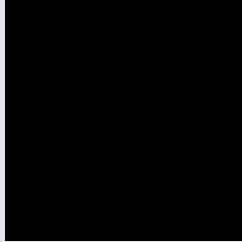
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

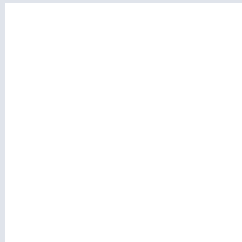
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3323, 0.3056, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 77.3323, 0.3056, 0.3216.

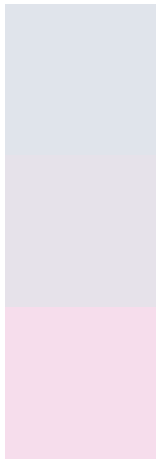


This preview shows how white text looks on a background with the Yxy color 77.3323, 0.3056, 0.3216.

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

77.3323, 0.3056, 0.3216

Protanopia

77.1562, 0.3103, 0.3206

Deuteranopia

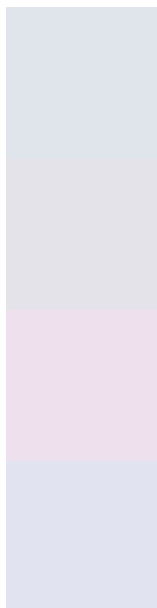
77.3619, 0.3205, 0.3139



Tritanopia

77.6386, 0.3014, 0.3113

Trichromacy



Original Color

77.3323, 0.3056, 0.3216

Protanomaly

77.3727, 0.3089, 0.3217

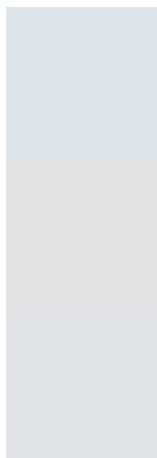
Deuteranomaly

77.5446, 0.3147, 0.3167

Tritanomaly

77.2966, 0.3025, 0.3143

Monochromacy



Original Color

77.3323, 0.3056, 0.3216

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5872, 0.3101, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3323, 0.3056, 0.3216 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(224, 228, 235)` looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 235)  
}
```

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(224, 228, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.3323, 0.3056, 0.3216 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(224, 228, 235) }
```

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

```
.border{ border-color:rgb(224, 228, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 228, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3323, 0.3056, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 235) }
```

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

```
.background{ background-color: rgb(224,  
228, 235) }
```

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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