

Converting Colors

$Y_{xy}(77.0095, 0.3058, 0.3230)$

Have a look what the booklet for
Yxy(77.0095, 0.3058, 0.3230)
contains.

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Color

Yxy(77.1153, 0.3055, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	DFE4EA
RGB	223, 228, 234
RGB Percent	87%, 89%, 92%
CMY	0.1255, 0.1059, 0.0822
CMYK	0.05, 0.03, 0.00, 0.08
HSL	213°, 21%, 90%
HSV	213°, 5%, 92%
XYZ	73.0277, 77.1153, 88.9001
YIQ	227.1890, -4.9060, 0.8060

Conversions

Conversions Part 2

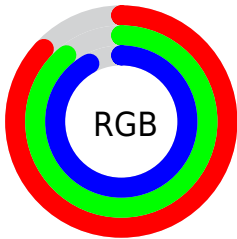
Format	Color
R _Y B	223, 226, 234
Decimal	14673130
CIE Lab	90.37, -0.56, -3.52
CIE LCh	90, 3.569, 260.976
Yxy	77.1153, 0.3055, 0.3226
Android (android.graphics.Color)	4292863210 (0xFFDFE4EA)
YUV	227.1890, 3.3578, -3.6738
Hunter-Lab	87.8153, -5.2353, 1.4483

Details

The Yxy color **77.1153, 0.3055, 0.3226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.8750, 0.3201, 0.3353**, and the grayscale version is **76.9408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4263, 0.3042, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **66.8815, 0.2896, 0.3078**, and if you desaturate by 10%, it is **88.3891, 0.3206, 0.3357**.

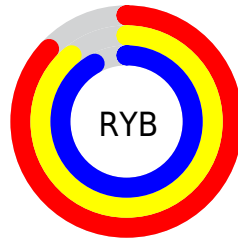
Distribution



Red (87%)

Green (89%)

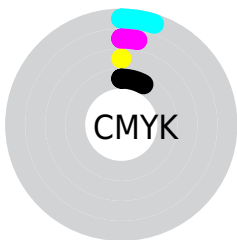
Blue (92%)



Red (87%)

Yellow (89%)

Blue (92%)

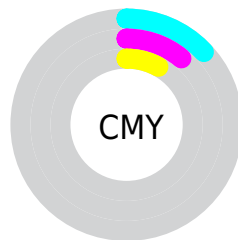


Cyan (5%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (13%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1153, 0.3055, 0.3226 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 77.1153, 0.3055, 0.3226 by changing the saturation by 10% instead.

■ 77.1153, 0.3055,
0.3226

■ 77.1153, 0.3055,
0.3226

485.1571, 0.3088,
0.3255

■ 57.3475, 0.3048,
0.3219

129.3022, 0.3066,
0.3236

■ 41.2843, 0.3038,
0.3211

162.4902, 0.3071,
0.3240

■ 28.5413, 0.3027,
0.3201

200.9202, 0.3075,
0.3244

■ 18.7341, 0.3012,
0.3187

244.9769, 0.3078,
0.3247

■ 11.4783, 0.2991,
0.3169

295.0445, 0.3081,
0.3249

■ 6.3895, 0.2962,
0.3143

351.5075, 0.3084,

■ 3.0833, 0.2917,

0.3251

0.3102

414.7502, 0.3086,
0.3254

■ 1.1754, 0.2839,
0.3032

■ 0.0415, 0.0718,
0.1156

■ 77.1153, 0.3055,
0.3226

■ 77.1153, 0.3055,
0.3226

■ 66.8815, 0.2896,
0.3078

■ 88.3891, 0.3206,
0.3357

■ 57.6457, 0.2731,
0.2914

■ 97.8079, 0.3251,
0.3479

■ 49.3774, 0.2563,
0.2734

■ 98.7223, 0.3250,
0.3493

■ 42.0405, 0.2395,
0.2539

■ 35.5963, 0.2234,
0.2332

■ 30.0029, 0.2084,
0.2119

■ 25.2142, 0.1951,
0.1904

■ 21.1780, 0.1842,
0.1695

■ 17.8331, 0.1758,
0.1499

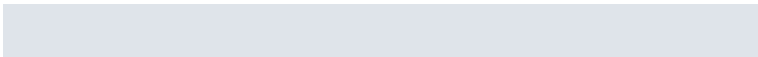
Harmonies

Analogous

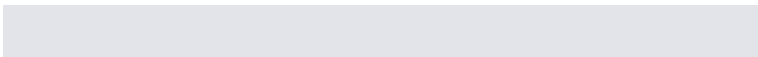
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1153, 0.3045, 0.3251



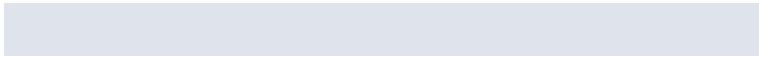
77.1153, 0.3055, 0.3226



77.1153, 0.3084, 0.3218

Triad

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



77.1153, 0.3055, 0.3226



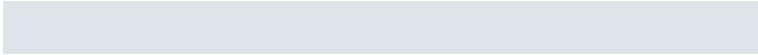
77.1153, 0.3198, 0.3292



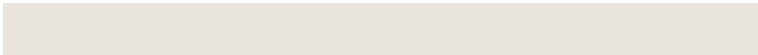
77.1153, 0.3129, 0.3353

Complementary

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



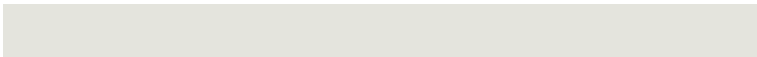
77.1153, 0.3055, 0.3226



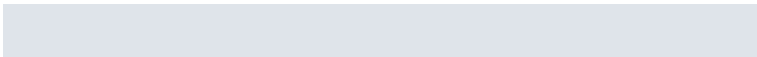
78.8750, 0.3201, 0.3353

Split Complementary

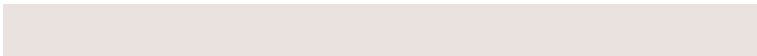
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1153, 0.3170, 0.3363



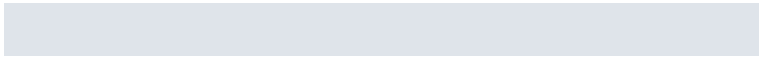
77.1153, 0.3055, 0.3226



77.1153, 0.3210, 0.3328

Square

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



77.1153, 0.3055, 0.3226



77.1153, 0.3167, 0.3256



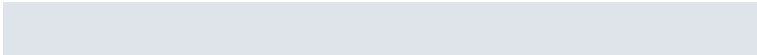
77.1153, 0.3200, 0.3354



77.1153, 0.3088, 0.3325

Rectangle

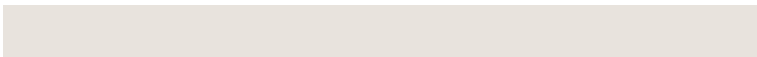
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1153, 0.3055, 0.3226



77.1153, 0.3111, 0.3223



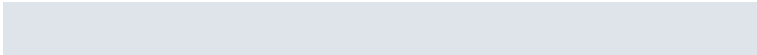
77.1153, 0.3200, 0.3354



77.1153, 0.3144, 0.3358

Sweetspot

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



77.1186, 0.3055, 0.3226



98.6344, 0.3112, 0.3277



80.2009, 0.3085, 0.3344



21.1262, 0.3113, 0.3277



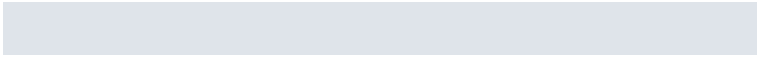
0.0000, 0.0000, 0.0000



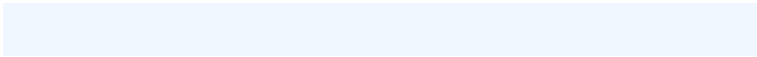
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1186, 0.3055, 0.3226



91.9980, 0.3035, 0.3208



74.4597, 0.3059, 0.3173



16.3177, 0.3025, 0.3199



9.4022, 0.1731, 0.1430



0.9283, 0.1804, 0.1694

Inverse Universe

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



75.8713, 0.3172, 0.3238



90.0972, 0.3185, 0.3223



81.6264, 0.3194, 0.3405



15.9471, 0.3191, 0.3216



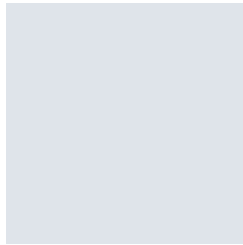
10.4420, 0.5151, 0.2611



0.8391, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 77.1153, 0.3055, 0.3226 looks on a white background.

Color Contrast Check

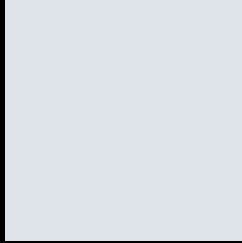
Large Text (above 18pt) WCAG AA × Fail

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 77.1153, 0.3055, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

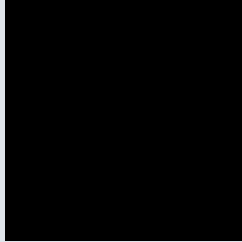
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

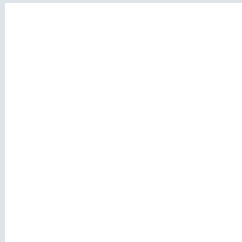
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1153, 0.3055, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 77.1153, 0.3055, 0.3226.

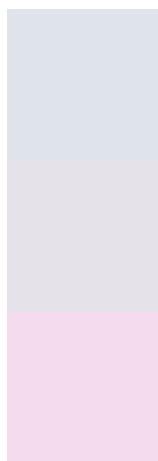


This preview shows how white text looks on a background with the Yxy color 77.1153, 0.3055, 0.3226.

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

77.1153, 0.3055, 0.3226

Protanopia

77.0989, 0.3110, 0.3217

Deuteranopia

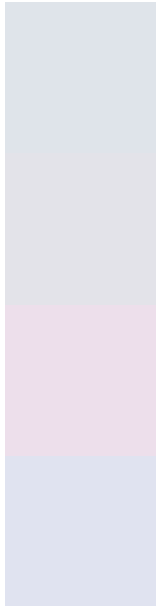
76.6550, 0.3199, 0.3128



Tritanopia

76.9319, 0.3007, 0.3102

Trichromacy



Original Color

77.1153, 0.3055, 0.3226

Protanomaly

77.1523, 0.3089, 0.3227

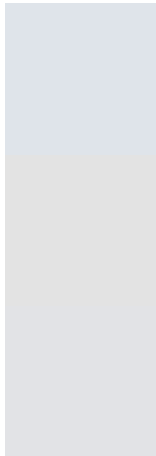
Deuteranomaly

76.7780, 0.3147, 0.3166

Tritanomaly

77.0767, 0.3025, 0.3153

Monochromacy



Original Color

77.1153, 0.3055, 0.3226

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8201, 0.3101, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1153, 0.3055, 0.3226 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(223, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 234)  
}
```

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(223, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 234) }
```

Border

The CSS property to change the border of an element to Yxy 77.1153, 0.3055, 0.3226 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(223, 228, 234) }
```

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

```
.border{ border-color:rgb(223, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(223, 228,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1153, 0.3055, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 234) }
```

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

```
.background{ background-color: rgb(223,  
228, 234) }
```

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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