

Converting Colors

Yxy(78.3968, 0.3052, 0.3172)

Have a look what the booklet for
Yxy(78.3968, 0.3052, 0.3172)
contains.

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Color

Yxy(78.2721, 0.3052, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	E4E4F0
RGB	228, 228, 240
RGB Percent	89%, 89%, 94%
CMY	0.1057, 0.1059, 0.0589
CMYK	0.05, 0.05, 0.00, 0.06
HSL	240°, 29%, 92%
HSV	240°, 5%, 94%
XYZ	75.4776, 78.2721, 93.5556
YIQ	229.3680, -3.8520, 3.7320

Conversions

Conversions Part 2

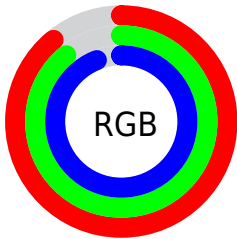
Format	Color
R_{YB}	228, 228, 240
Decimal	15000816
CIE _{Lab}	90.90, 2.22, -5.82
CIE _{LCh}	91, 6.230, 290.912
Yxy	78.2721, 0.3052, 0.3165
Android (android.graphics.Color)	4293190896 (0xFFE4E4F0)
YUV	229.3680, 5.2416, -1.1997
Hunter-Lab	88.4715, -2.5418, -0.7671

Details

The Yxy color $78.2721, 0.3052, 0.3165$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86.4238, 0.3201, 0.3412$, and the grayscale version is $78.6094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.2321, 0.3038, 0.3142$ is the 20% darker color. If you saturate the color by 10%, you get $62.3367, 0.2886, 0.2889$, and if you desaturate by 10%, it is $96.5857, 0.3197, 0.3407$.

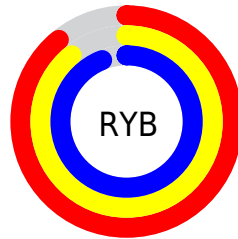
Distribution



Red (89%)

Green (89%)

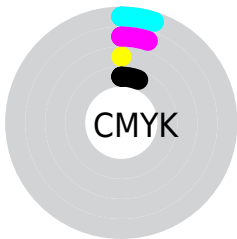
Blue (94%)



Red (89%)

Yellow (89%)

Blue (94%)

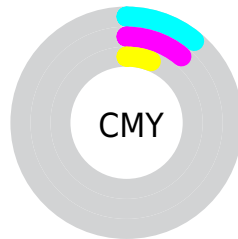


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (11%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2721, 0.3052, 0.3165 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 78.2721, 0.3052, 0.3165 by changing the saturation by 10% instead.

■ 78.2721, 0.3052,
0.3165

■ 78.2721, 0.3052,
0.3165

489.0904, 0.3086,
0.3222

■ 58.2975, 0.3044,
0.3152

130.9336, 0.3064,
0.3185

■ 42.0479, 0.3035,
0.3137

164.3894, 0.3069,
0.3192

■ 29.1388, 0.3023,
0.3117

203.1076, 0.3073,
0.3199

■ 19.1858, 0.3007,
0.3091

247.4728, 0.3076,
0.3205

■ 11.8046, 0.2986,
0.3057

297.8693, 0.3079,
0.3210

■ 6.6108, 0.2955,
0.3009

354.6814, 0.3082,

■ 3.2199, 0.2909,

0.3214

0.2935

418.2937, 0.3084,
0.3218

■ 1.2476, 0.2828,
0.2810

■ 0.1001, 0.1952,
0.1308

■ 78.2721, 0.3052,
0.3165

■ 78.2721, 0.3052,
0.3165

■ 62.3367, 0.2886,
0.2889

■ 96.5857, 0.3197,
0.3407

■ 48.6725, 0.2699,
0.2579

■ 99.0704, 0.3215,
0.3434

■ 37.1793, 0.2495,
0.2240

■ 27.7453, 0.2279,
0.1883

■ 20.2488, 0.2065,
0.1528

■ 14.5556, 0.1867,
0.1201

■ 10.5140, 0.1702,
0.0929

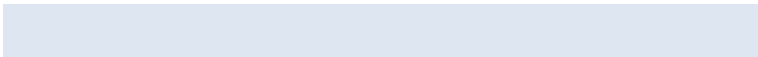
■ 7.9479, 0.1584,
0.0735

■ 6.6410, 0.1519,
0.0629

Harmonies

Analogous

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



78.2721, 0.3002, 0.3179



78.2721, 0.3052, 0.3165



78.2721, 0.3123, 0.3184

Triad

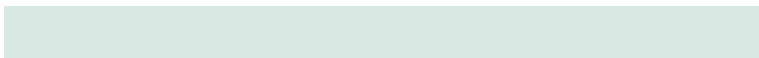
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2721, 0.3052, 0.3165



78.2721, 0.3271, 0.3355



78.2721, 0.3059, 0.3351

Complementary

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



78.2721, 0.3052, 0.3165



86.4238, 0.3201, 0.3412

Split Complementary

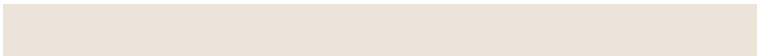
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2721, 0.3131, 0.3400



78.2721, 0.3052, 0.3165



78.2721, 0.3254, 0.3401

Square

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



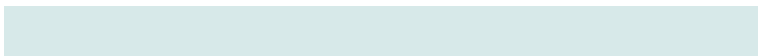
78.2721, 0.3052, 0.3165



78.2721, 0.3250, 0.3293



78.2721, 0.3202, 0.3418



78.2721, 0.3006, 0.3286

Rectangle

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



78.2721, 0.3052, 0.3165



78.2721, 0.3172, 0.3213



78.2721, 0.3202, 0.3418



78.2721, 0.3082, 0.3370

Sweetspot

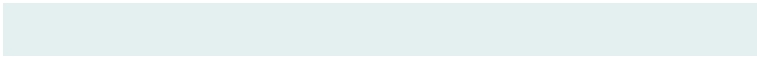
The Sweet Spot groups the original color and five complimentary colors.



78.2754, 0.3052, 0.3165



97.9060, 0.3112, 0.3266



85.0946, 0.3049, 0.3290



20.9780, 0.3113, 0.3267



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.



78.2754, 0.3052, 0.3165



87.8512, 0.3036, 0.3138



79.2626, 0.3092, 0.3167



16.2345, 0.3026, 0.3122



3.4504, 0.1502, 0.0601



0.2885, 0.1506, 0.0603

Inverse Universe

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



80.2910, 0.3133, 0.3169



90.6183, 0.3135, 0.3144



85.4030, 0.3161, 0.3413



16.8033, 0.3135, 0.3129



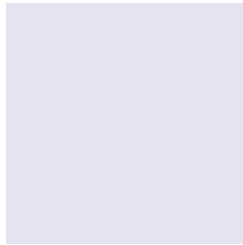
13.5429, 0.3223, 0.1549



1.1271, 0.3221, 0.1548

Previews

White Background



This preview shows how the Yxy color 78.2721, 0.3052, 0.3165 looks on a white background.

Color Contrast Check

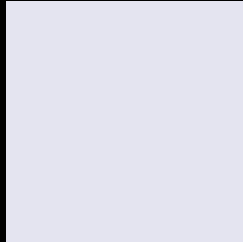
Large Text (above 18pt) WCAG AA × Fail

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 78.2721, 0.3052, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

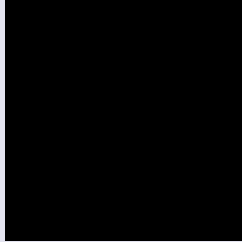
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

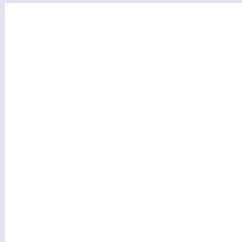
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2721, 0.3052, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 78.2721, 0.3052, 0.3165.

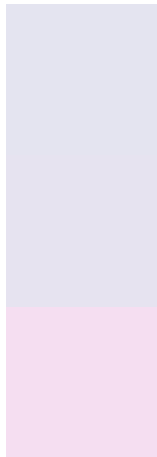


This preview shows how white text looks on a background with the Yxy color 78.2721, 0.3052, 0.3165.

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

78.2721, 0.3052, 0.3165

Protanopia

78.0524, 0.3065, 0.3155

Deuteranopia

78.0059, 0.3164, 0.3099



Tritanopia

78.1888, 0.3027, 0.3104

Trichromacy



Original Color

78.2721, 0.3052, 0.3165

Protanomaly

77.8875, 0.3058, 0.3155

Deuteranomaly

78.0129, 0.3121, 0.3117

Tritanomaly

78.0672, 0.3040, 0.3124

Monochromacy



Original Color

78.2721, 0.3052, 0.3165

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5798, 0.3102, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2721, 0.3052, 0.3165 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(228, 228, 240)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 240)  
}
```

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(228, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.2721, 0.3052, 0.3165 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(228, 228, 240) }
```

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

```
.border{ border-color:rgb(228, 228, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2721, 0.3052, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 240) }
```

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

```
.background{ background-color: rgb(228,  
228, 240) }
```

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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