

Converting Colors

$Y_{xy}(77.3573, 0.3061, 0.3076)$

Have a look what the booklet for
Yxy(77.3573, 0.3061, 0.3076)
contains.

Yxy(77.3963, 0.3062, 0.3075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3963, 0.3062, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	EAE0F5
RGB	234, 224, 245
RGB Percent	92%, 88%, 96%
CMY	0.0823, 0.1216, 0.0394
CMYK	0.04, 0.09, 0.00, 0.04
HSL	269°, 51%, 92%
HSV	269°, 9%, 96%
XYZ	77.0691, 77.3963, 97.2299
YIQ	229.3840, -0.7810, 8.6510

Conversions

Conversions Part 2

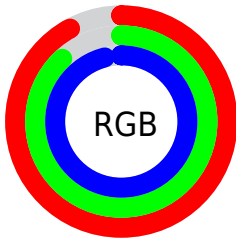
Format	Color
R _Y B	234, 224, 245
Decimal	15393013
CIE Lab	90.50, 7.18, -8.97
CIE LCh	91, 11.488, 308.687
Yxy	77.3963, 0.3062, 0.3075
Android (android.graphics.Color)	4293583093 (0xFFEAE0F5)
YUV	229.3840, 7.6987, 4.0482
Hunter-Lab	87.9752, 2.4152, -3.9445

Details

The Yxy color **77.3963, 0.3062, 0.3075** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88.3143, 0.3188, 0.3505**, and the grayscale version is **78.5975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5150, 0.3042, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **63.0808, 0.2974, 0.2804**, and if you desaturate by 10%, it is **93.7713, 0.3137, 0.3325**.

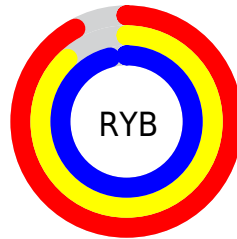
Distribution



Red (92%)

Green (88%)

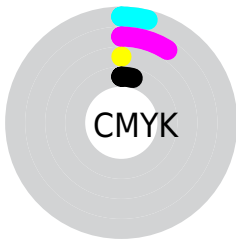
Blue (96%)



Red (92%)

Yellow (88%)

Blue (96%)

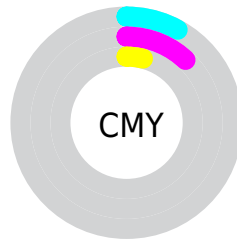


Cyan (4%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (8%)

Magenta (12%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3963, 0.3062, 0.3075 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 77.3963, 0.3062, 0.3075 by changing the saturation by 10% instead.

77.3963, 0.3062,
0.3075

77.3963, 0.3062,
0.3075

486.1142, 0.3092,
0.3172

57.5782, 0.3055,
0.3053

129.6987, 0.3073,
0.3108

41.4696, 0.3046,
0.3027

162.9519, 0.3077,
0.3121

28.6862, 0.3035,
0.2994

201.4521, 0.3080,
0.3133

18.8436, 0.3021,
0.2951

245.5839, 0.3083,
0.3143

11.5573, 0.3002,
0.2894

295.7316, 0.3086,
0.3151

6.4430, 0.2973,
0.2815

352.2796, 0.3088,

3.1163, 0.2929,

0.3159

0.2695

415.6123, 0.3090,
0.3166

■ 1.1927, 0.2849,
0.2497

■ 0.0558, 0.2349,
0.0574

■ 77.3963, 0.3062,
0.3075

■ 77.3963, 0.3062,
0.3075

■ 63.0808, 0.2974,
0.2804

■ 93.7713, 0.3137,
0.3325

■ 50.7309, 0.2872,
0.2514

■ 99.3701, 0.3185,
0.3386

■ 40.2599, 0.2757,
0.2213

■ 31.5709, 0.2630,
0.1911

■ 24.5578, 0.2495,
0.1622

■ 19.1028, 0.2356,
0.1360

■ 15.0723, 0.2220,
0.1141

■ 12.3087, 0.2093,
0.0977

■ 10.5874, 0.1980,
0.0869

Harmonies

Analogous

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



77.3963, 0.2944, 0.3063



77.3963, 0.3062, 0.3075



77.3963, 0.3200, 0.3141

Triad

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



77.3963, 0.3062, 0.3075



77.3963, 0.3384, 0.3465



77.3963, 0.2937, 0.3331

Complementary

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



77.3963, 0.3062, 0.3075



88.3143, 0.3188, 0.3505

Split Complementary

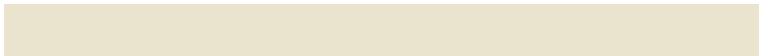
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3963, 0.3052, 0.3446



77.3963, 0.3062, 0.3075



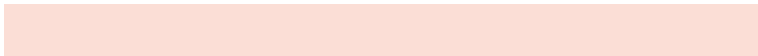
77.3963, 0.3310, 0.3523

Square

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



77.3963, 0.3062, 0.3075



77.3963, 0.3388, 0.3363



77.3963, 0.3188, 0.3517



77.3963, 0.2874, 0.3208

Rectangle

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



77.3963, 0.3062, 0.3075



77.3963, 0.3284, 0.3208



77.3963, 0.3188, 0.3517



77.3963, 0.2971, 0.3373

Sweetspot

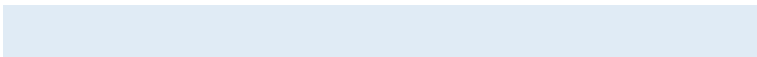
The Sweet Spot groups the original color and five complimentary colors.



77.3996, 0.3062, 0.3075



94.4665, 0.3105, 0.3216



81.9577, 0.2995, 0.3188



19.9107, 0.3099, 0.3196



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.



77.3996, 0.3062, 0.3075



82.3588, 0.3050, 0.3037



79.1830, 0.3132, 0.3080



16.3154, 0.3054, 0.3051



5.6760, 0.1981, 0.0865



0.5597, 0.2118, 0.0940

Inverse Universe

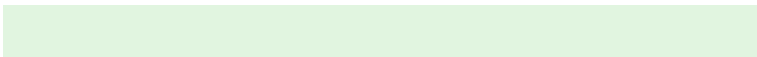
The Inverse Universe completely reimagines the original color for something new.



78.7129, 0.3203, 0.3180



84.0351, 0.3217, 0.3160



86.6222, 0.3121, 0.3509



16.6270, 0.3212, 0.3167



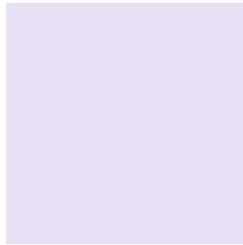
11.3236, 0.4868, 0.2455



1.0160, 0.4603, 0.2309

Previews

White Background



This preview shows how the Yxy color 77.3963, 0.3062, 0.3075 looks on a white background.

Color Contrast Check

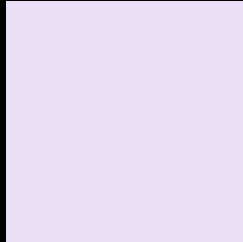
Large Text (above 18pt) WCAG AA × Fail

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 77.3963, 0.3062, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

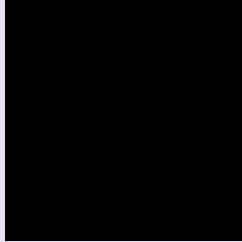
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

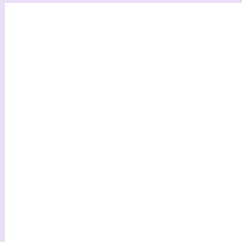
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3963, 0.3062, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 77.3963, 0.3062, 0.3075.

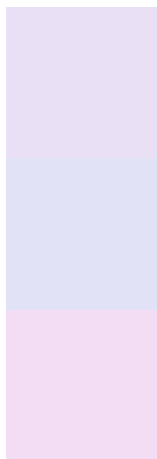


This preview shows how white text looks on a background with the Yxy color 77.3963, 0.3062, 0.3075.

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

77.3963, 0.3062, 0.3075

Protanopia

77.2153, 0.3001, 0.3082

Deuteranopia

77.1827, 0.3118, 0.3048



Tritanopia

77.2145, 0.3081, 0.3105

Trichromacy



Original Color

77.3963, 0.3062, 0.3075

Protanomaly

77.1623, 0.3021, 0.3073

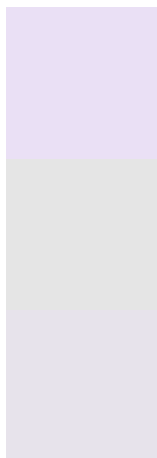
Deuteranomaly

77.1858, 0.3096, 0.3056

Tritanomaly

77.2748, 0.3074, 0.3095

Monochromacy



Original Color

77.3963, 0.3062, 0.3075

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.9253, 0.3104, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3963, 0.3062, 0.3075 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(234, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(234, 224, 245)  
}
```

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(234, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 224, 245) }
```

Border

The CSS property to change the border of an element to Yxy 77.3963, 0.3062, 0.3075 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(234, 224, 245) }
```

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

```
.border{ border-color:rgb(234, 224, 245) }
```

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

Here you see how a box with a 4 pixel rgb(234, 224, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(234, 224,  
245) }
```


Background

The CSS property to change the background color of an element to `rgb(77.3963, 0.3062, 0.3075)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 224, 245) }
```

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

```
.background{ background-color: rgb(234,  
224, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor