

Converting Colors

$Y_{xy}(75.2677, 0.3125, 0.3189)$

Have a look what the booklet for
Yxy(75.2677, 0.3125, 0.3189)
contains.

Yxy(75.0577, 0.3125, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.0577, 0.3125, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	E7DEE8
RGB	231, 222, 232
RGB Percent	91%, 87%, 91%
CMY	0.0941, 0.1294, 0.0901
CMYK	0.00, 0.04, 0.00, 0.09
HSL	294°, 18%, 89%
HSV	294°, 4%, 91%
XYZ	73.6437, 75.0577, 86.9585
YIQ	225.8310, 2.1540, 5.0180

Conversions

Conversions Part 2

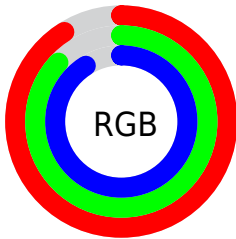
Format	Color
RYP	231, 222, 232
Decimal	15195880
CIE Lab	89.42, 4.84, -3.80
CIE LCh	89, 6.153, 321.861
Yxy	75.0577, 0.3125, 0.3185
Android (android.graphics.Color)	4293385960 (0xFFE7DEE8)
YUV	225.8310, 3.0413, 4.5332
Hunter-Lab	86.6358, 0.1190, 1.1343

Details

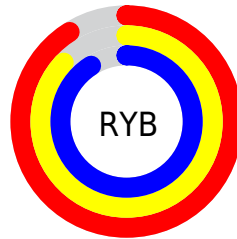
The Yxy color $75.0577, 0.3125, 0.3185$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78.6844, 0.3129, 0.3397$, and the grayscale version is $75.9040, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.8860, 0.3124, 0.3168$ is the 20% darker color. If you saturate the color by 10%, you get $63.1860, 0.3118, 0.2934$, and if you desaturate by 10%, it is $88.6369, 0.3129, 0.3425$.

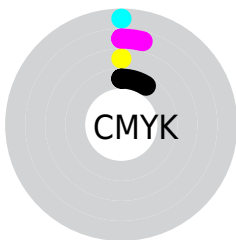
Distribution



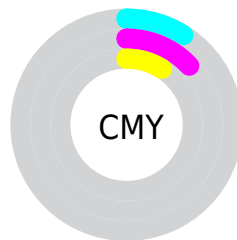
- Red (91%)
- Green (87%)
- Blue (91%)



- Red (91%)
- Yellow (87%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0577, 0.3125, 0.3185 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 75.0577, 0.3125, 0.3185 by changing the saturation by 10% instead.


 75.0577, 0.3125,
0.3185

 75.0577, 0.3125,
0.3185


478.1159, 0.3126,
0.3233

 55.6602, 0.3125,
0.3174

126.3940, 0.3125,
0.3202

 39.9305, 0.3124,
0.3161


159.1016, 0.3126,
0.3208

 27.4844, 0.3124,
0.3144


197.0147, 0.3126,
0.3214

 17.9373, 0.3123,
0.3122

240.5176, 0.3126,
0.3219

 10.9050, 0.3122,
0.3093

289.9948, 0.3126,
0.3223

 6.0030, 0.3120,
0.3051

345.8306, 0.3126,

 2.8469, 0.3117,

0.3227

0.2986

408.4095, 0.3126,
0.3230

■ 1.0523, 0.3110,
0.2874

■ 0.0000, 0.2259,
0.0000

■ 75.0577, 0.3125,
0.3185

■ 75.0577, 0.3125,
0.3185

■ 63.1860, 0.3118,
0.2934

■ 88.6369, 0.3129,
0.3425

■ 52.9433, 0.3109,
0.2677

■ 95.1250, 0.3139,
0.3521

■ 44.2592, 0.3097,
0.2422

■ 95.5271, 0.3154,
0.3520

■ 37.0547, 0.3081,
0.2176

■ 95.9344, 0.3168,
0.3519

■ 31.2435, 0.3063,
0.1952

■ 96.3470, 0.3183,
0.3518

■ 26.7306, 0.3042,
0.1758

■ 96.7648, 0.3198,
0.3517

■ 23.4091, 0.3018,
0.1603

■ 97.1880, 0.3213,
0.3516

■ 21.1548, 0.2994,
0.1492

■ 97.6166, 0.3228,
0.3515

■ 19.8163, 0.2968,
0.1425

■ 98.0504, 0.3243,
0.3514

Harmonies

Analogous

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



75.0577, 0.3054, 0.3165



75.0577, 0.3125, 0.3185



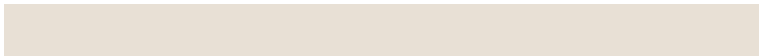
75.0577, 0.3197, 0.3232

Triad

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



75.0577, 0.3125, 0.3185



75.0577, 0.3253, 0.3403



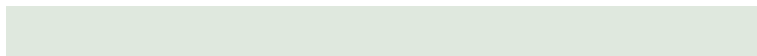
75.0577, 0.3005, 0.3283

Complementary

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



75.0577, 0.3125, 0.3185



78.6844, 0.3129, 0.3397

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.



75.0577, 0.3057, 0.3349



75.0577, 0.3125, 0.3185



75.0577, 0.3200, 0.3418

Square

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



75.0577, 0.3125, 0.3185



75.0577, 0.3272, 0.3357



75.0577, 0.3128, 0.3399



75.0577, 0.2985, 0.3221

Rectangle

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



75.0577, 0.3125, 0.3185



75.0577, 0.3237, 0.3273



75.0577, 0.3128, 0.3399



75.0577, 0.3019, 0.3306

Sweetspot

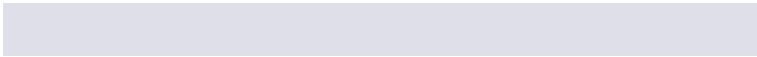
The Sweet Spot groups the original color and five complimentary colors.



75.0609, 0.3125, 0.3185



98.3351, 0.3127, 0.3266



74.2239, 0.3062, 0.3195



21.0653, 0.3127, 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.



75.0609, 0.3125, 0.3185



91.8904, 0.3125, 0.3168



75.0135, 0.3157, 0.3225



15.5099, 0.3124, 0.3152



10.7613, 0.2957, 0.1403



0.8166, 0.2996, 0.1424

Inverse Universe

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



74.7307, 0.3192, 0.3280



91.4166, 0.3203, 0.3278



78.7328, 0.3098, 0.3356



15.4192, 0.3213, 0.3276



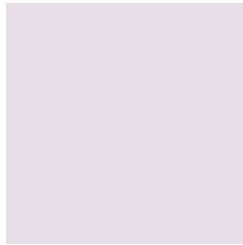
9.5679, 0.6280, 0.3233



0.7151, 0.6004, 0.3081

Previews

White Background



This preview shows how the Yxy color 75.0577, 0.3125, 0.3185 looks on a white background.

Color Contrast Check

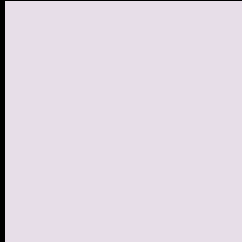
Large Text (above 18pt) WCAG AA × Fail

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 75.0577, 0.3125, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

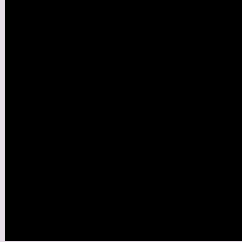
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

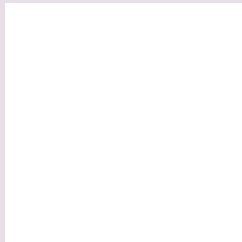
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0577, 0.3125, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 75.0577, 0.3125, 0.3185.

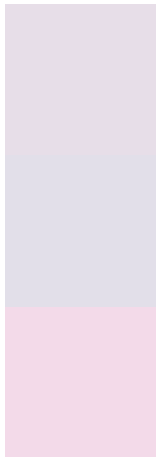


This preview shows how white text looks on a background with the Yxy color 75.0577, 0.3125, 0.3185.

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

75.0577, 0.3125, 0.3185

Protanopia

74.8273, 0.3083, 0.3184

Deuteranopia

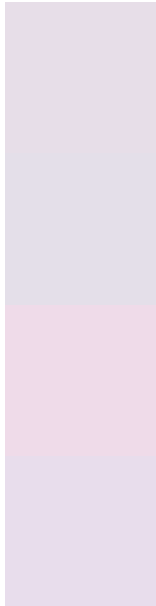
75.0807, 0.3206, 0.3137



Tritanopia

75.0418, 0.3093, 0.3113

Trichromacy



Original Color

75.0577, 0.3125, 0.3185

Protanomaly

75.1525, 0.3097, 0.3185

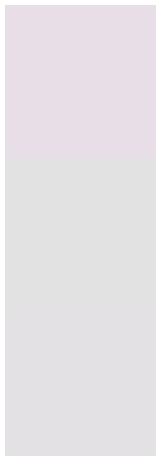
Deuteranomaly

74.8970, 0.3177, 0.3146

Tritanomaly

74.9248, 0.3106, 0.3134

Monochromacy



Original Color

75.0577, 0.3125, 0.3185

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9458, 0.3129, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0577, 0.3125, 0.3185 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(231, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(231, 222, 232)  
}
```

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(231, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 75.0577, 0.3125, 0.3185 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(231, 222, 232) }
```

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

```
.border{ border-color:rgb(231, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(231, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0577, 0.3125, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 222, 232) }
```

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

```
.background{ background-color: rgb(231,  
222, 232) }
```

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