

Converting Colors

$Y_{xy}(72.7226, 0.3224, 0.3220)$

Have a look what the booklet for
Yxy(72.7226, 0.3224, 0.3220)
contains.

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Color

Yxy(72.7863, 0.3224, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	ECD9DF
RGB	236, 217, 223
RGB Percent	93%, 85%, 87%
CMY	0.0746, 0.1490, 0.1254
CMYK	0.00, 0.08, 0.05, 0.07
HSL	341°, 33%, 89%
HSV	341°, 8%, 93%
XYZ	72.7186, 72.7863, 80.0491
YIQ	223.3650, 9.3980, 5.8940

Conversions

Conversions Part 2

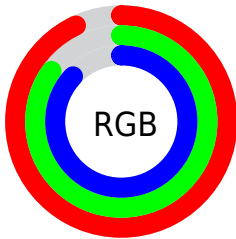
Format	Color
R _Y B	236, 217, 223
Decimal	15522271
CIE Lab	88.35, 7.54, -0.60
CIE LCh	88, 7.563, 355.440
Yxy	72.7863, 0.3224, 0.3227
Android (android.graphics.Color)	4293712351 (0xFFECD9DF)
YUV	223.3650, -0.1799, 11.0809
Hunter-Lab	85.3149, 2.8444, 4.0899

Details

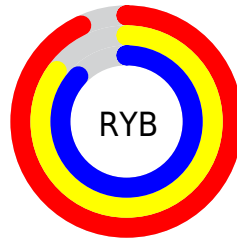
The Yxy color `72.7863, 0.3224, 0.3227` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.4355, 0.3039, 0.3354`, and the grayscale version is `74.0615, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.3711, 0.3245, 0.3209` is the 20% darker color. If you saturate the color by 10%, you get `60.6532, 0.3369, 0.3144`, and if you desaturate by 10%, it is `86.7476, 0.3106, 0.3305`.

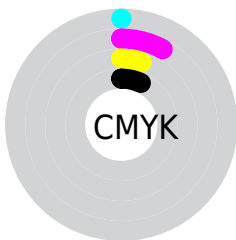
Distribution



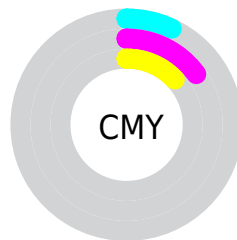
- Red (93%)
- Green (85%)
- Blue (87%)



- Red (93%)
- Yellow (85%)
- Blue (87%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (7%)




- Cyan (7%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7863, 0.3224, 0.3227 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 72.7863, 0.3224, 0.3227 by changing the saturation by 10% instead.


 72.7863, 0.3224,
0.3227

 72.7863, 0.3224,
0.3227


470.2738, 0.3179,
0.3256

 53.8012, 0.3234,
0.3220


123.1738, 0.3208,
0.3237

 38.4428, 0.3247,
0.3212


155.3450, 0.3202,
0.3241

 26.3265, 0.3263,
0.3202


192.6804, 0.3197,
0.3244

 17.0681, 0.3284,
0.3188

235.5644, 0.3193,
0.3247

 10.2830, 0.3313,
0.3169

284.3813, 0.3189,
0.3250

 5.5870, 0.3354,
0.3143

339.5156, 0.3185,

 2.5956, 0.3420,

0.3252

0.3100

401.3516, 0.3182,
0.3254

0.9245, 0.3539,
0.3024

0.0000, 1.0000,
0.0000

72.7863, 0.3224,
0.3227

72.7863, 0.3224,
0.3227

60.6532, 0.3369,
0.3144

86.7476, 0.3106,
0.3305

50.2631, 0.3547,
0.3058

96.5670, 0.3011,
0.3290

41.5380, 0.3763,
0.2971

34.3904, 0.4021,
0.2891

■ 28.7248, 0.4323,
0.2824

■ 24.4350, 0.4661,
0.2783

■ 21.4007, 0.5020,
0.2781

■ 19.4805, 0.5370,
0.2825

■ 18.4791, 0.5681,
0.2916

Harmonies

Analogous

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



72.7863, 0.3135, 0.3165



72.7863, 0.3224, 0.3227



72.7863, 0.3287, 0.3305

Triad

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



72.7863, 0.3224, 0.3227



72.7863, 0.3208, 0.3449



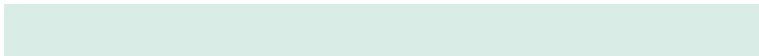
72.7863, 0.2951, 0.3195

Complementary

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



72.7863, 0.3224, 0.3227



80.4355, 0.3039, 0.3354

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.



72.7863, 0.2970, 0.3271



72.7863, 0.3224, 0.3227



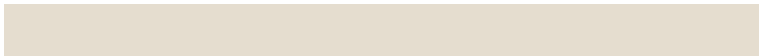
72.7863, 0.3117, 0.3420

Square

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



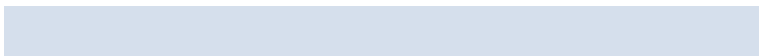
72.7863, 0.3224, 0.3227



72.7863, 0.3277, 0.3434



72.7863, 0.3030, 0.3354



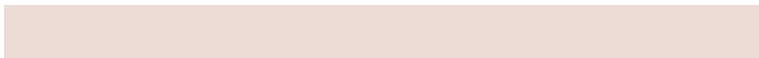
72.7863, 0.2979, 0.3146

Rectangle

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



72.7863, 0.3224, 0.3227



72.7863, 0.3305, 0.3358



72.7863, 0.3030, 0.3354



72.7863, 0.2952, 0.3219

Sweetspot

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



72.7895, 0.3224, 0.3227



96.5669, 0.3150, 0.3275



72.4522, 0.3092, 0.3091



20.7052, 0.3149, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

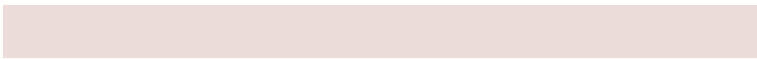
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7895, 0.3224, 0.3227



83.7250, 0.3251, 0.3211



74.1147, 0.3262, 0.3324



15.1328, 0.3243, 0.3215



10.1300, 0.5696, 0.2912



0.8123, 0.5304, 0.2696

Inverse Universe

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



72.7895, 0.3224, 0.3227



83.7250, 0.3251, 0.3211



78.9768, 0.3003, 0.3256



15.1328, 0.3243, 0.3215



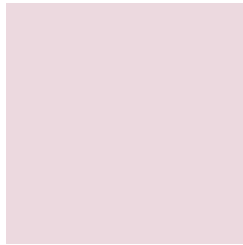
10.1300, 0.5696, 0.2912



0.8123, 0.5304, 0.2696

Previews

White Background



This preview shows how the Yxy color 72.7863, 0.3224, 0.3227 looks on a white background.

Color Contrast Check

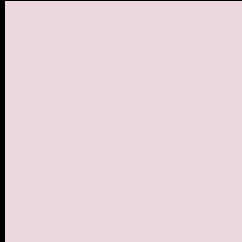
Large Text (above 18pt) WCAG AA × Fail

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 72.7863, 0.3224, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

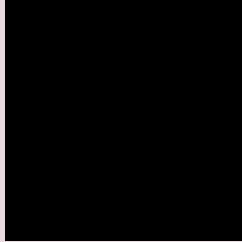
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

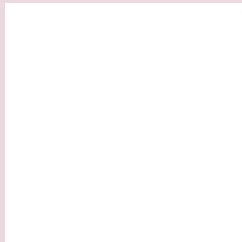
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7863, 0.3224, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 72.7863, 0.3224, 0.3227.

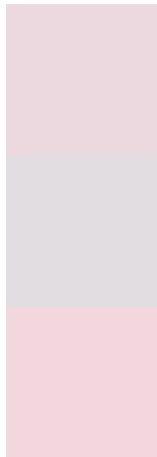


This preview shows how white text looks on a background with the Yxy color 72.7863, 0.3224, 0.3227.

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

72.7863, 0.3224, 0.3227

Protanopia

73.1567, 0.3129, 0.3247

Deuteranopia

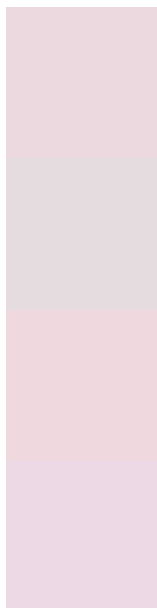
72.8058, 0.3270, 0.3207



Tritanopia

72.9425, 0.3171, 0.3124

Trichromacy



Original Color

72.7863, 0.3224, 0.3227

Protanomaly

73.2262, 0.3165, 0.3248

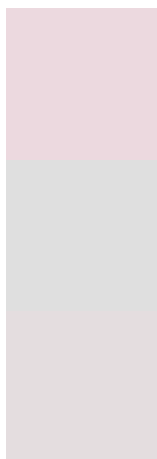
Deuteranomaly

72.9647, 0.3255, 0.3217

Tritanomaly

72.7734, 0.3191, 0.3155

Monochromacy



Original Color

72.7863, 0.3224, 0.3227

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.5346, 0.3164, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7863, 0.3224, 0.3227 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(236, 217, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 223)  
}
```

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(236, 217, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 223) }
```

Border

The CSS property to change the border of an element to Yxy 72.7863, 0.3224, 0.3227 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(236, 217, 223) }
```

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

```
.border{ border-color:rgb(236, 217, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7863, 0.3224, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 223) }
```

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

```
.background{ background-color: rgb(236,  
217, 223) }
```

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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