

Converting Colors

$Y_{xy}(72.7332, 0.3154, 0.3184)$

Have a look what the booklet for
Yxy(72.7332, 0.3154, 0.3184)
contains.

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Color

Yxy(72.7332, 0.3154, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	E7DAE4
RGB	231, 218, 228
RGB Percent	91%, 85%, 89%
CMY	0.0938, 0.1452, 0.1058
CMYK	0.00, 0.06, 0.01, 0.09
HSL	314°, 21%, 88%
HSV	314°, 6%, 91%
XYZ	72.0479, 72.7332, 83.6523
YIQ	223.0270, 4.5380, 5.8660

Conversions

Conversions Part 2

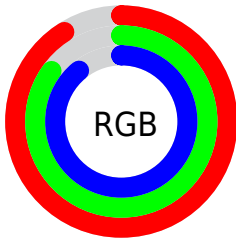
Format	Color
R _Y B	231, 218, 228
Decimal	15194852
CIE Lab	88.32, 6.24, -3.31
CIE LCh	88, 7.063, 332.022
Yxy	72.7332, 0.3154, 0.3184
Android (android.graphics.Color)	4293384932 (0xFFE7DAE4)
YUV	223.0270, 2.4517, 6.9923
Hunter-Lab	85.2838, 1.5506, 1.5428

Details

The Yxy color **72.7332, 0.3154, 0.3184** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3151, 0.3101, 0.3398**, and the grayscale version is **73.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3255, 0.3152, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **61.2826, 0.3208, 0.2990**, and if you desaturate by 10%, it is **85.8700, 0.3108, 0.3369**.

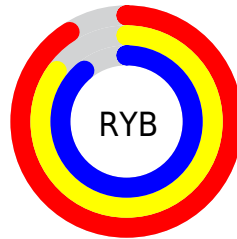
Distribution



Red (91%)

Green (85%)

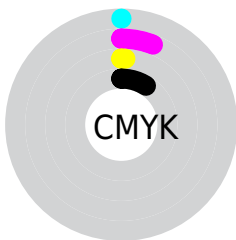
Blue (89%)



Red (91%)

Yellow (85%)

Blue (89%)

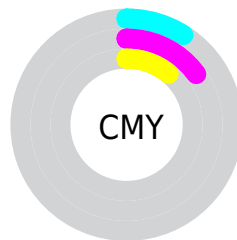


Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7332, 0.3154, 0.3184 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 72.7332, 0.3154, 0.3184 by changing the saturation by 10% instead.

72.7332, 0.3154,
0.3184

72.7332, 0.3154,
0.3184

470.0896, 0.3142,
0.3233

53.7578, 0.3157,
0.3173

123.0984, 0.3150,
0.3201

38.4081, 0.3160,
0.3159

155.2570, 0.3148,
0.3207

26.2996, 0.3164,
0.3142

192.5788, 0.3147,
0.3213

17.0479, 0.3170,
0.3120

235.4482, 0.3146,
0.3218

10.2686, 0.3177,
0.3089

284.2496, 0.3144,
0.3222

5.5774, 0.3188,
0.3046

339.3673, 0.3143,

2.5899, 0.3204,

0.3226

0.2978

401.1859, 0.3143,
0.3230

■ 0.9216, 0.3231,
0.2858

■ 0.0000, 0.0000,
0.0000

■ 72.7332, 0.3154,
0.3184

■ 72.7332, 0.3154,
0.3184

■ 61.2826, 0.3208,
0.2990

■ 85.8700, 0.3108,
0.3369

■ 51.4398, 0.3270,
0.2792

■ 94.7400, 0.3072,
0.3453

■ 43.1346, 0.3340,
0.2594

■ 95.0628, 0.3042,
0.3398

■ 36.2876, 0.3419,
0.2406

■ 95.3951, 0.3012,
0.3344

■ 30.8124, 0.3506,
0.2235

■ 95.7371, 0.2982,
0.3290

■ 26.6134, 0.3597,
0.2094

■ 95.7403, 0.2982,
0.3290

■ 23.5828, 0.3692,
0.1991

■ 21.5948, 0.3786,
0.1934

■ 20.4944, 0.3876,
0.1925

Harmonies

Analogous

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



72.7332, 0.3068, 0.3149



72.7332, 0.3154, 0.3184



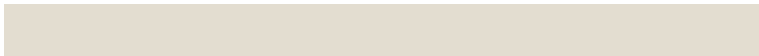
72.7332, 0.3233, 0.3246

Triad

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



72.7332, 0.3154, 0.3184



72.7332, 0.3256, 0.3431



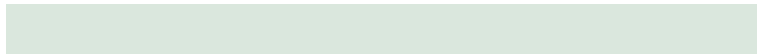
72.7332, 0.2973, 0.3256

Complementary

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



72.7332, 0.3154, 0.3184



77.3151, 0.3101, 0.3398

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.



72.7332, 0.3022, 0.3334



72.7332, 0.3154, 0.3184



72.7332, 0.3185, 0.3436

Square

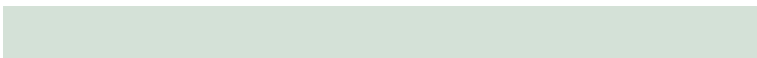
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7332, 0.3154, 0.3184



72.7332, 0.3293, 0.3389



72.7332, 0.3099, 0.3400



72.7332, 0.2965, 0.3189

Rectangle

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



72.7332, 0.3154, 0.3184



72.7332, 0.3272, 0.3296



72.7332, 0.3099, 0.3400



72.7332, 0.2985, 0.3282

Sweetspot

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



72.7363, 0.3154, 0.3184



96.7127, 0.3136, 0.3253



71.2505, 0.3061, 0.3149



20.7349, 0.3136, 0.3255



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.



72.7363, 0.3154, 0.3184



88.8702, 0.3161, 0.3158



72.3912, 0.3197, 0.3251



15.0311, 0.3164, 0.3148



11.3272, 0.3901, 0.1923



0.8510, 0.3779, 0.1856

Inverse Universe

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



72.7363, 0.3154, 0.3184



88.8702, 0.3161, 0.3158



77.6589, 0.3062, 0.3330



15.0311, 0.3164, 0.3148



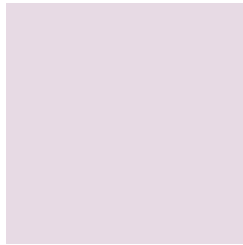
11.3272, 0.3901, 0.1923



0.8510, 0.3779, 0.1856

Previews

White Background



This preview shows how the Yxy color 72.7332, 0.3154, 0.3184 looks on a white background.

Color Contrast Check

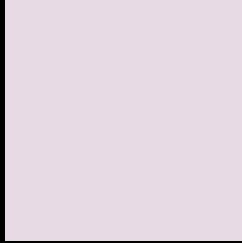
Large Text (above 18pt) WCAG AA × Fail

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 72.7332, 0.3154, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

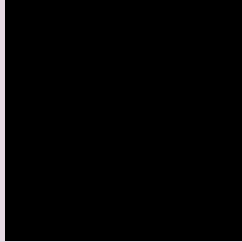
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

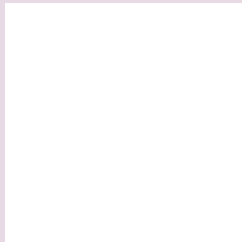
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7332, 0.3154, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 72.7332, 0.3154, 0.3184.

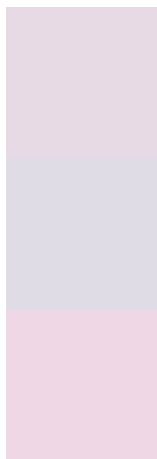


This preview shows how white text looks on a background with the Yxy color 72.7332, 0.3154, 0.3184.

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

72.7332, 0.3154, 0.3184

Protanopia

72.5315, 0.3089, 0.3193

Deuteranopia

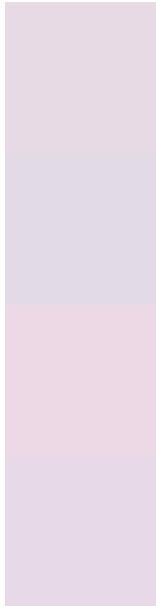
72.7833, 0.3214, 0.3145



Tritanopia

72.7220, 0.3121, 0.3112

Trichromacy



Original Color

72.7332, 0.3154, 0.3184

Protanomaly

72.4889, 0.3111, 0.3183

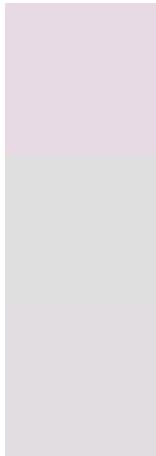
Deuteranomaly

72.7734, 0.3191, 0.3155

Tritanomaly

72.6077, 0.3135, 0.3132

Monochromacy



Original Color

72.7332, 0.3154, 0.3184

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.3179, 0.3136, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7332, 0.3154, 0.3184 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, 218, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 218, 228)  
}
```

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, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 218, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.7332, 0.3154, 0.3184 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, 218, 228) }
```

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

```
.border{ border-color:rgb(231, 218, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 218, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 218, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 218,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7332, 0.3154, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 218, 228) }
```

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

```
.background{ background-color: rgb(231,  
218, 228) }
```

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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