

Converting Colors

$Yxy(78.6154, 0.3242, 0.3488)$

Have a look what the booklet for
Yxy(78.6154, 0.3242, 0.3488)
contains.

Yxy(78.7283, 0.3242, 0.3492)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7283, 0.3242, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	E6E7D4
RGB	230, 231, 212
RGB Percent	90%, 91%, 83%
CMY	0.0981, 0.0941, 0.1686
CMYK	0.00, 0.00, 0.08, 0.09
HSL	63°, 28%, 87%
HSV	63°, 8%, 91%
XYZ	73.0920, 78.7283, 73.6331
YIQ	228.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

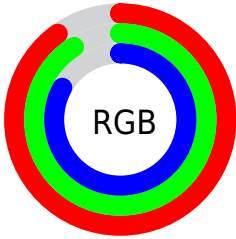
Format	Color
RYP	212, 231, 213
Decimal	15132628
CIE Lab	91.11, -3.60, 9.12
CIE LCh	91, 9.809, 111.532
Yxy	78.7283, 0.3242, 0.3492
Android (android.graphics.Color)	4293322708 (0xFFE6E7D4)
YUV	228.5350, -8.1518, 1.2848
Hunter-Lab	88.7290, -8.2333, 12.9076

Details

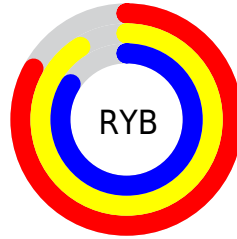
The Yxy color **78.7283, 0.3242, 0.3492** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **67.0076, 0.3007, 0.3081**, and the grayscale version is **78.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0929, 0.3268, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **77.4456, 0.3385, 0.3745**, and if you desaturate by 10%, it is **80.1861, 0.3103, 0.3247**.

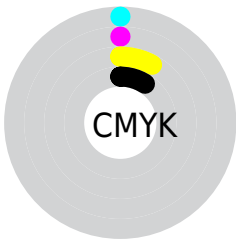
Distribution



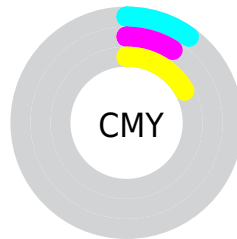
- Red (90%)
- Green (91%)
- Blue (83%)



- Red (83%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7283, 0.3242, 0.3492 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 78.7283, 0.3242, 0.3492 by changing the saturation by 10% instead.

■ 78.7283, 0.3242,
0.3492

■ 78.7283, 0.3242,
0.3492

490.6367, 0.3190,
0.3399

■ 58.6724, 0.3254,
0.3513

131.5763, 0.3224,
0.3460

■ 42.3495, 0.3268,
0.3539

165.1372, 0.3217,
0.3447

■ 29.3751, 0.3286,
0.3572

203.9686, 0.3211,
0.3437

■ 19.3647, 0.3309,
0.3615

248.4549, 0.3206,
0.3427

■ 11.9341, 0.3340,
0.3673

298.9805, 0.3201,
0.3419

■ 6.6988, 0.3383,
0.3756

355.9297, 0.3197,

■ 3.2745, 0.3449,

0.3412

0.3885

419.6870, 0.3193,
0.3405

■ 1.2767, 0.3583,
0.4141

■ 0.1230, 0.1910,
0.8090

■ 78.7283, 0.3242,
0.3492

■ 78.7283, 0.3242,
0.3492

■ 77.4456, 0.3385,
0.3745

■ 80.1861, 0.3103,
0.3247

■ 76.3206, 0.3527,
0.4000


■ 81.6072, 0.2989,
0.3047

■ 75.3492, 0.3664,
0.4250

■ 81.8139, 0.2997,
0.3048


■ 74.5233, 0.3791,
0.4483


■ 82.0221, 0.3005,
0.3048


 73.8339, 0.3900,
0.4690

 82.2317, 0.3013,
0.3049

 73.2712, 0.3988,
0.4861


 82.4428, 0.3021,
0.3050


 72.8238, 0.4050,
0.4991

 82.6553, 0.3029,
0.3050

 72.4785, 0.4086,
0.5076

 82.8692, 0.3037,
0.3051

 72.2163, 0.4098,
0.5121

 83.0846, 0.3045,
0.3051

Harmonies

Analogous

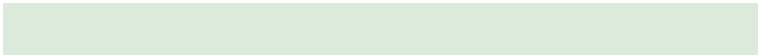
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7283, 0.3325, 0.3466



78.7283, 0.3242, 0.3492



78.7283, 0.3129, 0.3462

Triad

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



78.7283, 0.3242, 0.3492



78.7283, 0.2905, 0.3181



78.7283, 0.3236, 0.3199

Complementary

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



78.7283, 0.3242, 0.3492



67.0076, 0.3007, 0.3081

Split Complementary

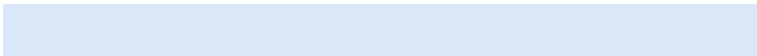
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7283, 0.3122, 0.3126



78.7283, 0.3242, 0.3492



78.7283, 0.2932, 0.3114

Square

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



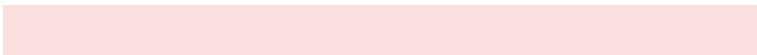
78.7283, 0.3242, 0.3492



78.7283, 0.2936, 0.3280



78.7283, 0.3011, 0.3095



78.7283, 0.3322, 0.3296

Rectangle

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



78.7283, 0.3242, 0.3492



78.7283, 0.3053, 0.3414



78.7283, 0.3011, 0.3095



78.7283, 0.3200, 0.3171

Sweetspot

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



78.7317, 0.3242, 0.3492



99.6245, 0.3155, 0.3339



69.3095, 0.3268, 0.3301



21.3277, 0.3154, 0.3336



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.



78.7317, 0.3242, 0.3492



98.2090, 0.3268, 0.3538



77.2118, 0.3176, 0.3496



16.7761, 0.3259, 0.3523



40.4765, 0.4101, 0.5126



3.0031, 0.4115, 0.5114

Inverse Universe

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



67.0076, 0.3007, 0.3081



80.5006, 0.2979, 0.3031



68.4609, 0.3075, 0.3085



13.9235, 0.2988, 0.3047



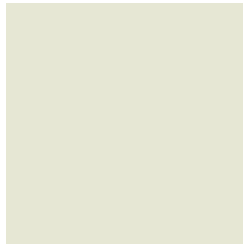
3.2957, 0.1517, 0.0609



0.2565, 0.1565, 0.0636

Previews

White Background



This preview shows how the Yxy color 78.7283, 0.3242, 0.3492 looks on a white background.

Color Contrast Check

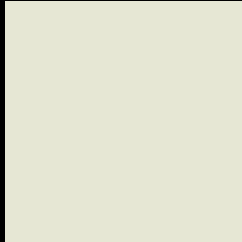
Large Text (above 18pt) WCAG AA × Fail

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 78.7283, 0.3242, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

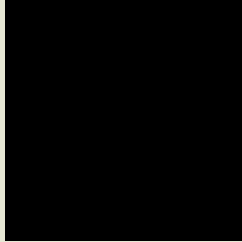
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

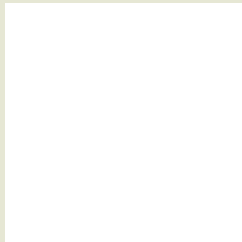
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7283, 0.3242, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 78.7283, 0.3242, 0.3492.

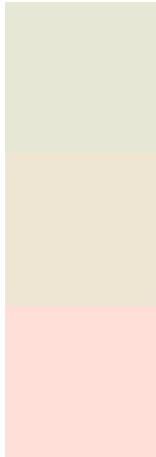


This preview shows how white text looks on a background with the Yxy color 78.7283, 0.3242, 0.3492.

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

78.7283, 0.3242, 0.3492

Protanopia

78.9189, 0.3308, 0.3479

Deuteranopia

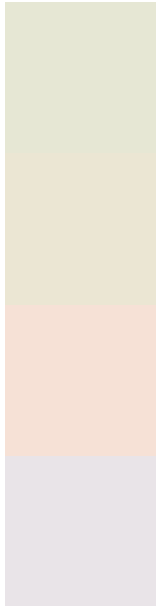
78.4088, 0.3414, 0.3361



Tritanopia

78.5865, 0.3074, 0.3106

Trichromacy



Original Color

78.7283, 0.3242, 0.3492

Protanomaly

78.9589, 0.3285, 0.3490

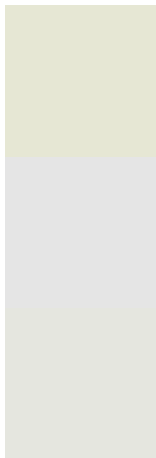
Deuteranomaly

78.2983, 0.3350, 0.3404

Tritanomaly

78.6366, 0.3136, 0.3248

Monochromacy



Original Color

78.7283, 0.3242, 0.3492

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5794, 0.3165, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7283, 0.3242, 0.3492 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(230, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 212)  
}
```

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(230, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 212) }
```

Border

The CSS property to change the border of an element to Yxy 78.7283, 0.3242, 0.3492 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(230, 231, 212) }
```

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

```
.border{ border-color:rgb(230, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7283, 0.3242, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 212) }
```

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

```
.background{ background-color: rgb(230,  
231, 212) }
```

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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