

Converting Colors

$Yxy(77.1203, 0.3155, 0.3405)$

Have a look what the booklet for
Yxy(77.1203, 0.3155, 0.3405)
contains.

Yxy(77.0004, 0.3157, 0.3397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.0004, 0.3157, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	E0E5DB
RGB	224, 229, 219
RGB Percent	88%, 90%, 86%
CMY	0.1213, 0.1020, 0.1412
CMYK	0.02, 0.00, 0.04, 0.10
HSL	90°, 16%, 88%
HSV	90°, 4%, 90%
XYZ	71.5603, 77.0004, 78.1111
YIQ	226.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

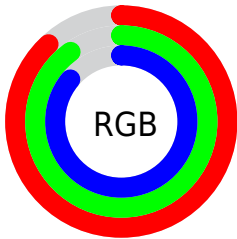
Format	Color
R _Y B	219, 229, 224
Decimal	14738907
CIE Lab	90.32, -3.42, 4.27
CIE LCh	90, 5.474, 128.663
Yxy	77.0004, 0.3157, 0.3397
Android (android.graphics.Color)	4292928987 (0xFFE0E5DB)
YUV	226.3650, -3.6309, -2.0741
Hunter-Lab	87.7499, -7.9950, 8.6475

Details

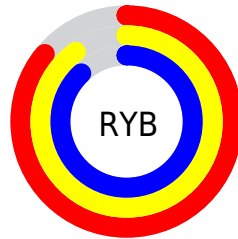
The Yxy color `77.0004, 0.3157, 0.3397` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.1583, 0.3096, 0.3183`, and the grayscale version is `76.3660, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3875, 0.3165, 0.3429` is the 20% darker color. If you saturate the color by 10%, you get `74.1329, 0.3225, 0.3658`, and if you desaturate by 10%, it is `80.1604, 0.3089, 0.3158`.

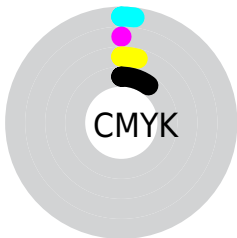
Distribution



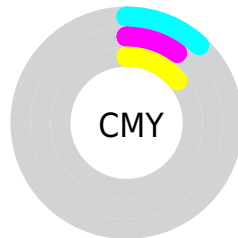
- Red (88%)
- Green (90%)
- Blue (86%)



- Red (86%)
- Yellow (90%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0004, 0.3157, 0.3397 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 77.0004, 0.3157, 0.3397 by changing the saturation by 10% instead.

■ 77.0004, 0.3157,
0.3397

■ 77.0004, 0.3157,
0.3397

484.7654, 0.3144,
0.3348

■ 57.2532, 0.3160,
0.3408

129.1400, 0.3152,
0.3380

■ 41.2086, 0.3164,
0.3422

162.3013, 0.3151,
0.3373

■ 28.4821, 0.3168,
0.3440

200.7027, 0.3149,
0.3368

■ 18.6894, 0.3174,
0.3463

244.7286, 0.3148,
0.3363

■ 11.4460, 0.3182,
0.3494

294.7634, 0.3146,
0.3358

■ 6.3677, 0.3194,
0.3539

351.1915, 0.3145,

■ 3.0699, 0.3211,

0.3354

0.3610

414.3974, 0.3144,
0.3351

■ 1.1683, 0.3240,
0.3737

■ 0.0356, 0.0000,
1.0000

■ 77.0004, 0.3157,
0.3397

■ 77.0004, 0.3157,
0.3397

■ 74.1329, 0.3225,
0.3658

■ 80.1604, 0.3089,
0.3158

■ 71.5389, 0.3292,
0.3939

■ 82.9641, 0.3083,
0.3034

■ 69.2123, 0.3353,
0.4233

■ 84.5118, 0.3139,
0.3039

■ 67.1427, 0.3405,
0.4534

■ 65.3192, 0.3444,
0.4828

■ 63.7299, 0.3465,
0.5101

■ 62.3617, 0.3464,
0.5338

■ 61.1995, 0.3441,
0.5525

■ 60.2255, 0.3396,
0.5656

Harmonies

Analogous

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



77.0004, 0.3215, 0.3401



77.0004, 0.3157, 0.3397



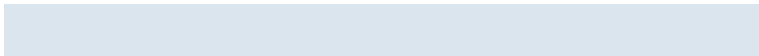
77.0004, 0.3092, 0.3364

Triad

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



77.0004, 0.3157, 0.3397



77.0004, 0.3006, 0.3205



77.0004, 0.3219, 0.3269

Complementary

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



77.0004, 0.3157, 0.3397



72.1583, 0.3096, 0.3183

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.



77.0004, 0.3162, 0.3218



77.0004, 0.3157, 0.3397



77.0004, 0.3040, 0.3181

Square

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



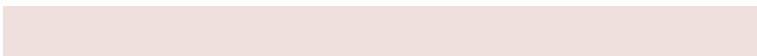
77.0004, 0.3157, 0.3397



77.0004, 0.3005, 0.3252



77.0004, 0.3097, 0.3186



77.0004, 0.3251, 0.3326

Rectangle

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



77.0004, 0.3157, 0.3397



77.0004, 0.3053, 0.3330



77.0004, 0.3097, 0.3186



77.0004, 0.3202, 0.3251

Sweetspot

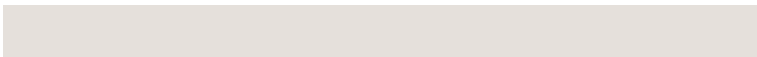
The Sweet Spot groups the original color and five complimentary colors.



77.0037, 0.3157, 0.3397



99.5990, 0.3134, 0.3314



74.9907, 0.3195, 0.3342



21.3225, 0.3134, 0.3313



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.



77.0037, 0.3157, 0.3397



98.0321, 0.3162, 0.3414



76.2332, 0.3123, 0.3398



16.6868, 0.3166, 0.3430



34.2351, 0.3377, 0.5701



2.5851, 0.3487, 0.5614

Inverse Universe

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



72.1583, 0.3096, 0.3183



90.9287, 0.3091, 0.3166



72.9507, 0.3131, 0.3184



15.3253, 0.3087, 0.3150



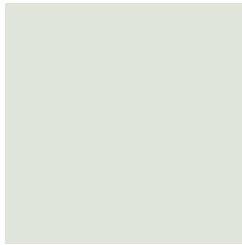
5.3129, 0.2013, 0.0883



0.4478, 0.2172, 0.0970

Previews

White Background



This preview shows how the Yxy color 77.0004, 0.3157, 0.3397 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 77.0004, 0.3157, 0.3397 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

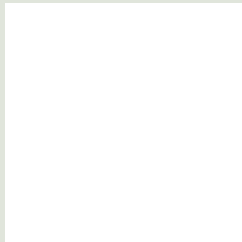
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0004, 0.3157, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 77.0004, 0.3157, 0.3397.

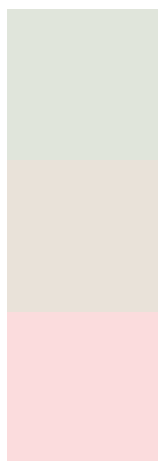


This preview shows how white text looks on a background with the Yxy color 77.0004, 0.3157, 0.3397.

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

77.0004, 0.3157, 0.3397

Protanopia

76.7261, 0.3235, 0.3385

Deuteranopia

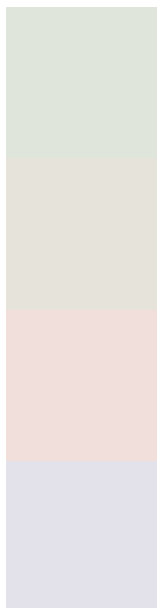
76.9161, 0.3345, 0.3281



Tritanopia

76.8155, 0.3033, 0.3103

Trichromacy



Original Color

77.0004, 0.3157, 0.3397

Protanomaly

76.8231, 0.3207, 0.3386

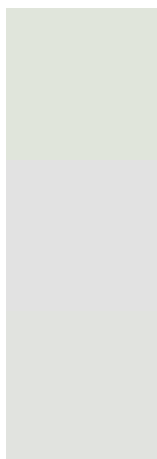
Deuteranomaly

76.6434, 0.3276, 0.3322

Tritanomaly

76.6641, 0.3083, 0.3206

Monochromacy



Original Color

77.0004, 0.3157, 0.3397

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.2734, 0.3139, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0004, 0.3157, 0.3397 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(224, 229, 219)` looks like.

```
.text, #text, p{  
    color:rgb(224, 229, 219)  
}
```

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(224, 229, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 229, 219) }
```

Border

The CSS property to change the border of an element to Yxy 77.0004, 0.3157, 0.3397 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(224, 229, 219) }
```

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

```
.border{ border-color:rgb(224, 229, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 229, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 229, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 229, 219); box-shadow:4px 4px 4px 4px rgb(224, 229, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0004, 0.3157, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 229, 219) }
```

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

```
.background{ background-color: rgb(224,  
229, 219) }
```

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