

Converting Colors

$Yxy(76.7224, 0.3220, 0.3407)$

Have a look what the booklet for
Yxy(76.7224, 0.3220, 0.3407)
contains.

Yxy(76.7190, 0.3220, 0.3407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7190, 0.3220, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	E6E3D8
RGB	230, 227, 216
RGB Percent	90%, 89%, 85%
CMY	0.0979, 0.1098, 0.1529
CMYK	0.00, 0.01, 0.06, 0.10
HSL	47°, 22%, 87%
HSV	47°, 6%, 90%
XYZ	72.5081, 76.7190, 75.9534
YIQ	226.6430, 5.3190, -2.7850

Conversions

Conversions Part 2

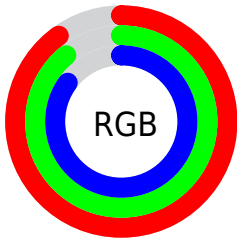
Format	Color
R_{YB}	220, 230, 216
Decimal	15131608
CIE Lab	90.19, -0.86, 5.71
CIE LCh	90, 5.779, 98.573
Yxy	76.7190, 0.3220, 0.3407
Android (android.graphics.Color)	4293321688 (0xFFE6E3D8)
YUV	226.6430, -5.2470, 2.9441
Hunter-Lab	87.5894, -5.5158, 9.8991

Details

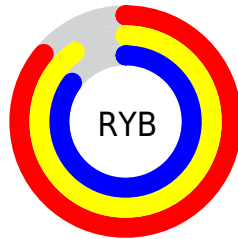
The Yxy color **76.7190, 0.3220, 0.3407** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0094, 0.3034, 0.3170**, and the grayscale version is **76.5855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0769, 0.3238, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **72.9155, 0.3382, 0.3606**, and if you desaturate by 10%, it is **80.7754, 0.3070, 0.3217**.

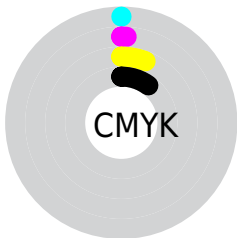
Distribution



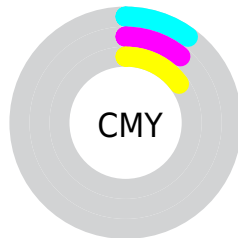
- Red (90%)
- Green (89%)
- Blue (85%)



- Red (86%)
- Yellow (90%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7190, 0.3220, 0.3407 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 76.7190, 0.3220, 0.3407 by changing the saturation by 10% instead.

■ 76.7190, 0.3220,
0.3407

■ 76.7190, 0.3220,
0.3407

483.8054, 0.3177,
0.3353

■ 57.0223, 0.3230,
0.3419

128.7427, 0.3205,
0.3388

■ 41.0231, 0.3241,
0.3434

161.8386, 0.3200,
0.3381

■ 28.3372, 0.3256,
0.3453

200.1695, 0.3195,
0.3375

■ 18.5800, 0.3276,
0.3478

244.1200, 0.3190,
0.3370

■ 11.3672, 0.3302,
0.3512

294.0745, 0.3187,
0.3365

■ 6.3144, 0.3340,
0.3560

350.4173, 0.3183,

■ 3.0372, 0.3398,

0.3360

0.3635

413.5328, 0.3180,
0.3357

■ 1.1512, 0.3506,
0.3775

■ 0.0213, 0.0000,
1.0000

■ 76.7190, 0.3220,
0.3407

■ 76.7190, 0.3220,
0.3407

■ 72.9155, 0.3382,
0.3606

■ 80.7754, 0.3070,
0.3217

■ 69.3474, 0.3554,
0.3809

■ 84.6218, 0.2974,
0.3108

■ 66.0100, 0.3734,
0.4011

■ 87.5616, 0.2975,
0.3159

■ 62.8945, 0.3916,
0.4204

■ 90.5831, 0.2975,
0.3210

■ 59.9917, 0.4095,
0.4378

■ 93.6867, 0.2976,
0.3260

■ 57.2914, 0.4261,
0.4522

■ 95.5709, 0.2976,
0.3290

■ 54.7818, 0.4407,
0.4627

■ 52.4498, 0.4526,
0.4686

■ 50.2788, 0.4616,
0.4697

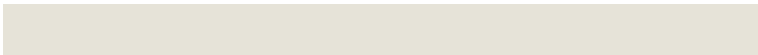
Harmonies

Analogous

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



76.7190, 0.3256, 0.3379



76.7190, 0.3220, 0.3407



76.7190, 0.3159, 0.3403

Triad

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



76.7190, 0.3220, 0.3407



76.7190, 0.2998, 0.3250



76.7190, 0.3164, 0.3214

Complementary

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



76.7190, 0.3220, 0.3407



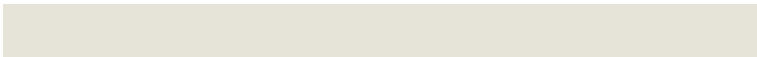
71.0094, 0.3034, 0.3170

Split Complementary

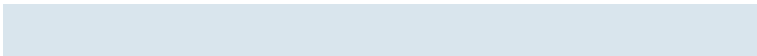
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7190, 0.3095, 0.3180



76.7190, 0.3220, 0.3407



76.7190, 0.3000, 0.3200

Square

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



76.7190, 0.3220, 0.3407



76.7190, 0.3031, 0.3312



76.7190, 0.3035, 0.3175



76.7190, 0.3224, 0.3268

Rectangle

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



76.7190, 0.3220, 0.3407



76.7190, 0.3113, 0.3383



76.7190, 0.3035, 0.3175



76.7190, 0.3141, 0.3200

Sweetspot

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



76.7223, 0.3220, 0.3407



98.9697, 0.3157, 0.3328



71.0735, 0.3207, 0.3255



21.1945, 0.3156, 0.3326



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.



76.7223, 0.3220, 0.3407



96.4496, 0.3235, 0.3425



77.7960, 0.3191, 0.3440



16.4146, 0.3243, 0.3436



28.1792, 0.4637, 0.4700



2.2147, 0.4560, 0.4762

Inverse Universe

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



71.0094, 0.3034, 0.3170



88.1815, 0.3019, 0.3151



70.0056, 0.3061, 0.3138



14.9041, 0.3011, 0.3140



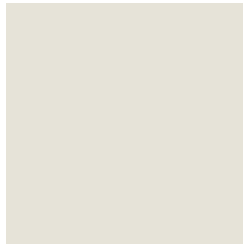
4.6755, 0.1564, 0.0830



0.4806, 0.1638, 0.1096

Previews

White Background



This preview shows how the Yxy color 76.7190, 0.3220, 0.3407 looks on a white background.

Color Contrast Check

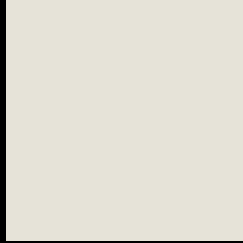
Large Text (above 18pt) WCAG AA × Fail

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 76.7190, 0.3220, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

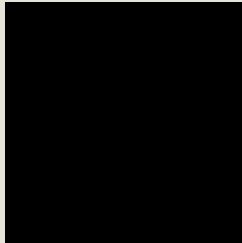
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

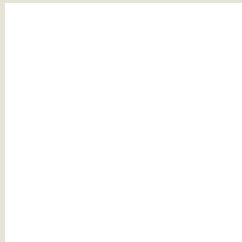
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7190, 0.3220, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 76.7190, 0.3220, 0.3407.

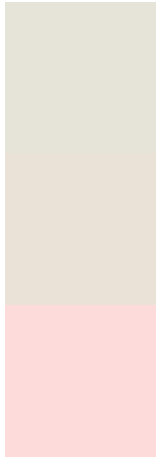


This preview shows how white text looks on a background with the Yxy color 76.7190, 0.3220, 0.3407.

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

76.7190, 0.3220, 0.3407

Protanopia

76.7914, 0.3256, 0.3406

Deuteranopia

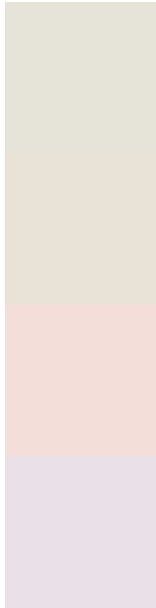
76.4204, 0.3375, 0.3301



Tritanopia

76.6187, 0.3087, 0.3104

Trichromacy



Original Color

76.7190, 0.3220, 0.3407

Protanomaly

76.6226, 0.3249, 0.3407

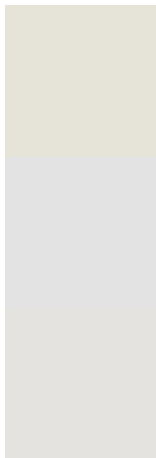
Deuteranomaly

76.4854, 0.3319, 0.3342

Tritanomaly

76.4611, 0.3138, 0.3207

Monochromacy



Original Color

76.7190, 0.3220, 0.3407

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7599, 0.3160, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7190, 0.3220, 0.3407 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, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(230, 227, 216)  
}
```

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, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 76.7190, 0.3220, 0.3407 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, 227, 216) }
```

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

```
.border{ border-color:rgb(230, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(230, 227,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7190, 0.3220, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 227, 216) }
```

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

```
.background{ background-color: rgb(230,  
227, 216) }
```

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