

Converting Colors

$Y_{xy}(74.9105, 0.3220, 0.3375)$

Have a look what the booklet for
Yxy(74.9105, 0.3220, 0.3375)
contains.

Yxy(75.0922, 0.3222, 0.3376)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.0922, 0.3222, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	E6E0D8
RGB	230, 224, 216
RGB Percent	90%, 88%, 85%
CMY	0.0983, 0.1215, 0.1530
CMYK	0.00, 0.03, 0.06, 0.10
HSL	35°, 22%, 87%
HSV	35°, 6%, 90%
XYZ	71.6668, 75.0922, 75.6705
YIQ	224.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

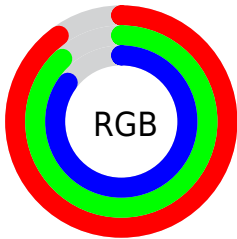
Format	Color
R_{YB}	227, 230, 216
Decimal	15130840
CIE Lab	89.44, 0.62, 4.63
CIE LCh	89, 4.674, 82.340
Yxy	75.0922, 0.3222, 0.3376
Android (android.graphics.Color)	4293320920 (0xFFE6E0D8)
YUV	224.8820, -4.3788, 4.4885
Hunter-Lab	86.6558, -4.0230, 8.8851

Details

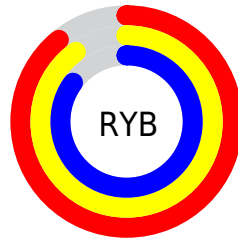
The Yxy color **75.0922, 0.3222, 0.3376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4936, 0.3034, 0.3202**, and the grayscale version is **75.2304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9478, 0.3242, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **68.9000, 0.3394, 0.3524**, and if you desaturate by 10%, it is **81.7574, 0.3069, 0.3236**.

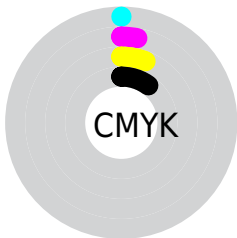
Distribution



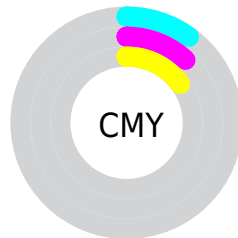
- Red (90%)
- Green (88%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0922, 0.3222, 0.3376 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 75.0922, 0.3222, 0.3376 by changing the saturation by 10% instead.

■ 75.0922, 0.3222,
0.3376

■ 75.0922, 0.3222,
0.3376

478.2344, 0.3178,
0.3337

■ 55.6884, 0.3232,
0.3385

126.4429, 0.3207,
0.3362

■ 39.9532, 0.3244,
0.3396

159.1585, 0.3201,
0.3357

■ 27.5020, 0.3260,
0.3410

197.0803, 0.3196,
0.3352

■ 17.9506, 0.3280,
0.3428

240.5926, 0.3191,
0.3348

■ 10.9145, 0.3308,
0.3453

290.0797, 0.3188,
0.3345

■ 6.0094, 0.3348,
0.3489

345.9262, 0.3184,

■ 2.8508, 0.3410,

0.3342

0.3544

408.5163, 0.3181,
0.3339

■ 1.0543, 0.3530,
0.3652

■ 0.0000, 0.0000,
0.0000

■ 75.0922, 0.3222,
0.3376

■ 75.0922, 0.3222,
0.3376

■ 68.9000, 0.3394,
0.3524

■ 81.7574, 0.3069,
0.3236

■ 63.1592, 0.3587,
0.3678

■ 88.4399, 0.2974,
0.3174

■ 57.8606, 0.3799,
0.3833

■ 94.4428, 0.2975,
0.3272

■ 52.9910, 0.4029,
0.3982

■ 95.5529, 0.2975,
0.3290

■ 48.5363, 0.4270,
0.4116

■ 44.4815, 0.4515,
0.4223

■ 40.8100, 0.4750,
0.4292

■ 37.5034, 0.4962,
0.4311

■ 34.5397, 0.5139,
0.4275

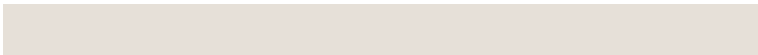
Harmonies

Analogous

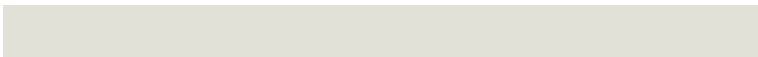
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0922, 0.3237, 0.3342



75.0922, 0.3222, 0.3376



75.0922, 0.3182, 0.3387

Triad

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



75.0922, 0.3222, 0.3376



75.0922, 0.3034, 0.3284



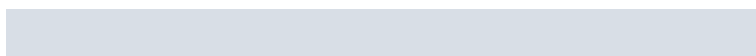
75.0922, 0.3127, 0.3210

Complementary

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



75.0922, 0.3222, 0.3376



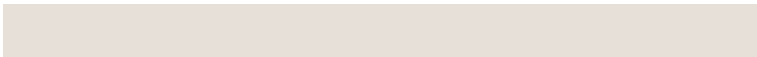
72.4936, 0.3034, 0.3202

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.



75.0922, 0.3072, 0.3195



75.0922, 0.3222, 0.3376



75.0922, 0.3019, 0.3237

Square

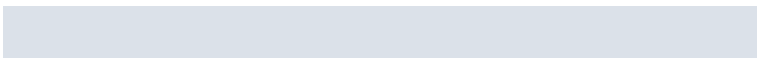
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0922, 0.3222, 0.3376



75.0922, 0.3073, 0.3334



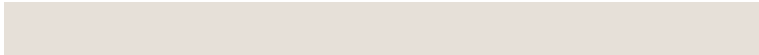
75.0922, 0.3033, 0.3204



75.0922, 0.3181, 0.3247

Rectangle

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



75.0922, 0.3222, 0.3376



75.0922, 0.3146, 0.3380



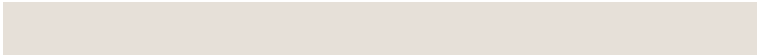
75.0922, 0.3033, 0.3204



75.0922, 0.3108, 0.3203

Sweetspot

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



75.0955, 0.3222, 0.3376



98.3050, 0.3158, 0.3318



71.1918, 0.3188, 0.3226



21.0592, 0.3156, 0.3317



0.0000, 0.0000, 0.0000



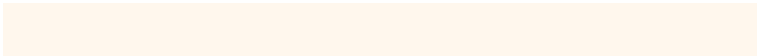
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0955, 0.3222, 0.3376



94.1726, 0.3238, 0.3390



78.1761, 0.3210, 0.3438



15.9981, 0.3246, 0.3398



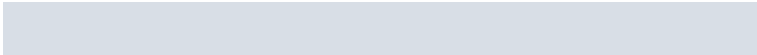
19.1998, 0.5182, 0.4268



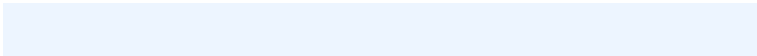
1.6019, 0.4998, 0.4413

Inverse Universe

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



72.4936, 0.3034, 0.3202



90.3814, 0.3019, 0.3188



69.5516, 0.3041, 0.3138



15.3055, 0.3011, 0.3180



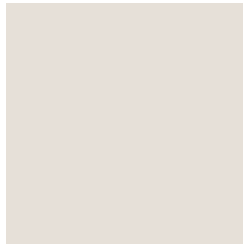
8.3519, 0.1705, 0.1338



0.7979, 0.1784, 0.1624

Previews

White Background



This preview shows how the Yxy color 75.0922, 0.3222, 0.3376 looks on a white background.

Color Contrast Check

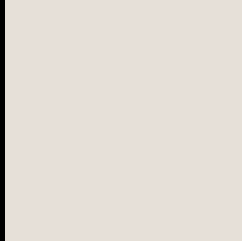
Large Text (above 18pt) WCAG AA × Fail

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 75.0922, 0.3222, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

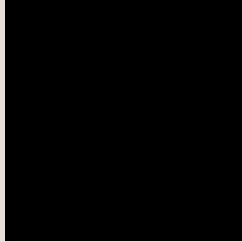
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

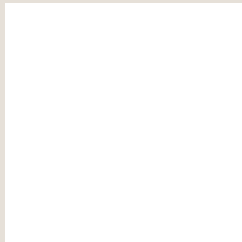
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0922, 0.3222, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 75.0922, 0.3222, 0.3376.

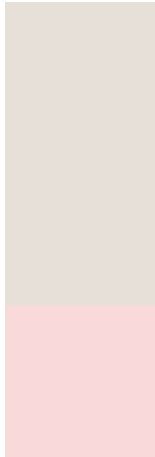


This preview shows how white text looks on a background with the Yxy color 75.0922, 0.3222, 0.3376.

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

75.0922, 0.3222, 0.3376

Protanopia

75.2581, 0.3230, 0.3375

Deuteranopia

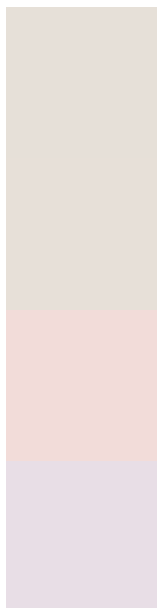
74.7752, 0.3362, 0.3291



Tritanopia

75.2096, 0.3100, 0.3113

Trichromacy



Original Color

75.0922, 0.3222, 0.3376

Protanomaly

75.2581, 0.3230, 0.3375

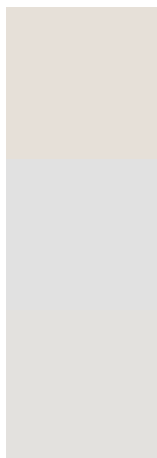
Deuteranomaly

75.0734, 0.3307, 0.3322

Tritanomaly

75.1115, 0.3145, 0.3206

Monochromacy



Original Color

75.0922, 0.3222, 0.3376

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.4552, 0.3161, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0922, 0.3222, 0.3376 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, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 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, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 216) }
```

Border

The CSS property to change the border of an element to Yxy 75.0922, 0.3222, 0.3376 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, 224, 216) }
```

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

```
.border{ border-color:rgb(230, 224, 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, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0922, 0.3222, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 216) }
```

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

```
.background{ background-color: rgb(230,  
224, 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