

Converting Colors

$Y_{xy}(77.0772, 0.3214, 0.3373)$

Have a look what the booklet for
Yxy(77.0772, 0.3214, 0.3373)
contains.

Yxy(77.2084, 0.3214, 0.3375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2084, 0.3214, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	E8E3DB
RGB	232, 227, 219
RGB Percent	91%, 89%, 86%
CMY	0.0903, 0.1097, 0.1412
CMYK	0.00, 0.02, 0.06, 0.09
HSL	37°, 22%, 88%
HSV	37°, 6%, 91%
XYZ	73.5253, 77.2084, 78.0320
YIQ	227.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

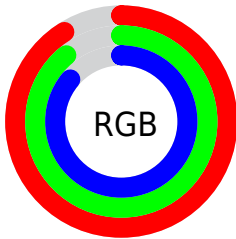
Format	Color
R _Y B	227, 232, 219
Decimal	15262683
CIE Lab	90.42, 0.29, 4.50
CIE LCh	90, 4.509, 86.267
Yxy	77.2084, 0.3214, 0.3375
Android (android.graphics.Color)	4293452763 (0xFFE8E3DB)
YUV	227.5830, -4.2314, 3.8737
Hunter-Lab	87.8683, -4.4067, 8.8550

Details

The Yxy color **77.2084, 0.3214, 0.3375** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1611, 0.3041, 0.3204**, and the grayscale version is **77.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4155, 0.3231, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **71.3546, 0.3383, 0.3533**, and if you desaturate by 10%, it is **83.4882, 0.3063, 0.3225**.

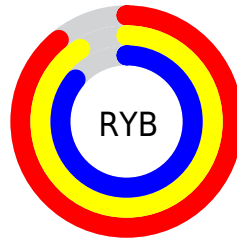
Distribution



Red (91%)

Green (89%)

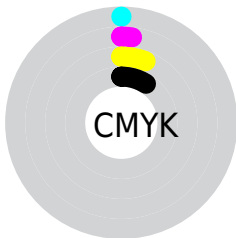
Blue (86%)



Red (89%)

Yellow (91%)

Blue (86%)

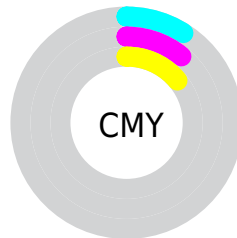


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2084, 0.3214, 0.3375 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 77.2084, 0.3214, 0.3375 by changing the saturation by 10% instead.

■ 77.2084, 0.3214,
0.3375

■ 77.2084, 0.3214,
0.3375

485.4743, 0.3174,
0.3336

■ 57.4239, 0.3223,
0.3384

129.4336, 0.3200,
0.3362

■ 41.3457, 0.3234,
0.3395

162.6432, 0.3195,
0.3356

■ 28.5893, 0.3248,
0.3408

201.0965, 0.3190,
0.3352

■ 18.7704, 0.3266,
0.3426

245.1781, 0.3186,
0.3348

■ 11.5045, 0.3291,
0.3450

295.2722, 0.3183,
0.3344

■ 6.4072, 0.3326,
0.3484

351.7634, 0.3180,

■ 3.0942, 0.3381,

0.3341

0.3537

415.0359, 0.3177,
0.3339

■ 1.1811, 0.3477,
0.3630

■ 0.0462, 0.5251,
0.4749

■ 77.2084, 0.3214,
0.3375

■ 77.2084, 0.3214,
0.3375

■ 71.3546, 0.3383,
0.3533

■ 83.4882, 0.3063,
0.3225

■ 65.9060, 0.3571,
0.3697

■ 89.5077, 0.2987,
0.3187

■ 60.8547, 0.3776,
0.3863

■ 94.9849, 0.2987,
0.3275

■ 56.1887, 0.3995,
0.4022

■ 95.8914, 0.2987,
0.3290

■ 51.8954, 0.4223,
0.4166

■ 47.9609, 0.4450,
0.4283

■ 44.3699, 0.4666,
0.4362

■ 41.1056, 0.4859,
0.4392

■ 38.1475, 0.5018,
0.4369

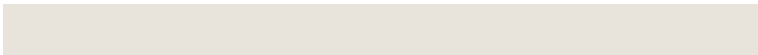
Harmonies

Analogous

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



77.2084, 0.3232, 0.3345



77.2084, 0.3214, 0.3375



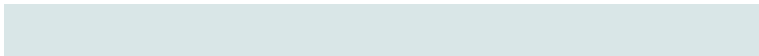
77.2084, 0.3173, 0.3382

Triad

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



77.2084, 0.3214, 0.3375



77.2084, 0.3034, 0.3278



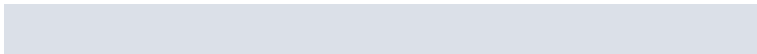
77.2084, 0.3134, 0.3218

Complementary

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



77.2084, 0.3214, 0.3375



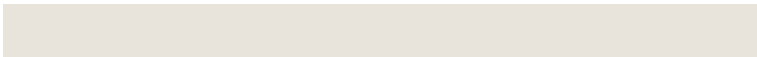
74.1611, 0.3041, 0.3204

Split Complementary

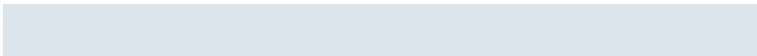
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2084, 0.3081, 0.3200



77.2084, 0.3214, 0.3375



77.2084, 0.3024, 0.3234

Square

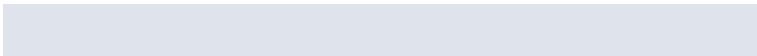
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2084, 0.3214, 0.3375



77.2084, 0.3069, 0.3326



77.2084, 0.3041, 0.3206



77.2084, 0.3185, 0.3254

Rectangle

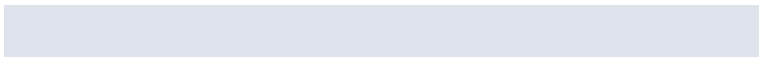
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2084, 0.3214, 0.3375



77.2084, 0.3138, 0.3373



77.2084, 0.3041, 0.3206



77.2084, 0.3116, 0.3209

Sweetspot

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



77.2118, 0.3214, 0.3375



98.4403, 0.3158, 0.3320



73.1849, 0.3187, 0.3237



21.0867, 0.3156, 0.3319



0.0000, 0.0000, 0.0000



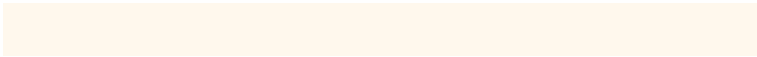
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2118, 0.3214, 0.3375



94.6336, 0.3237, 0.3397



79.7108, 0.3199, 0.3427



16.0824, 0.3246, 0.3405



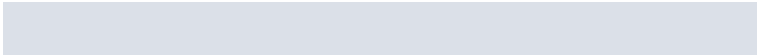
20.7582, 0.5063, 0.4362



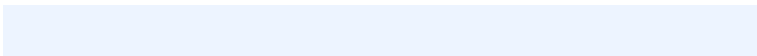
1.7121, 0.4902, 0.4490

Inverse Universe

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



74.1611, 0.3041, 0.3204



89.9289, 0.3019, 0.3180



71.7719, 0.3053, 0.3150



15.2229, 0.3011, 0.3172



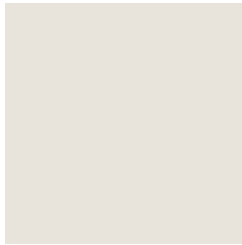
7.3833, 0.1671, 0.1214



0.7206, 0.1752, 0.1506

Previews

White Background



This preview shows how the Yxy color 77.2084, 0.3214, 0.3375 looks on a white background.

Color Contrast Check

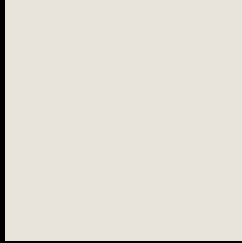
Large Text (above 18pt) WCAG AA × Fail

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 77.2084, 0.3214, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

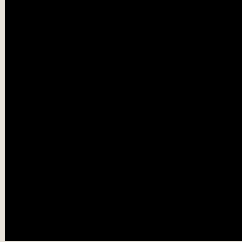
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

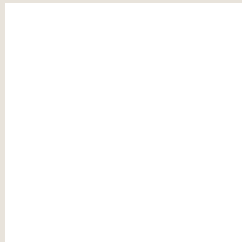
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2084, 0.3214, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 77.2084, 0.3214, 0.3375.

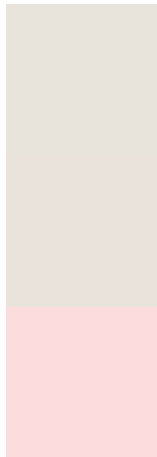


This preview shows how white text looks on a background with the Yxy color 77.2084, 0.3214, 0.3375.

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

77.2084, 0.3214, 0.3375

Protanopia

77.5451, 0.3228, 0.3374

Deuteranopia

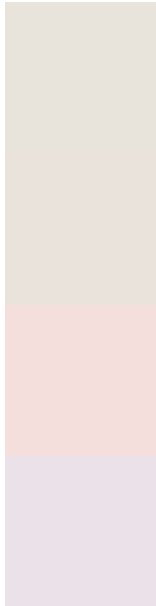
77.0492, 0.3359, 0.3291



Tritanopia

77.3244, 0.3094, 0.3115

Trichromacy



Original Color

77.2084, 0.3214, 0.3375

Protanomaly

77.3763, 0.3221, 0.3375

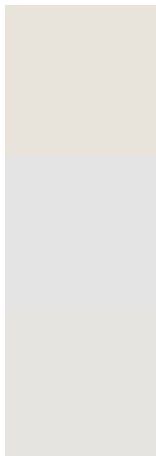
Deuteranomaly

77.3551, 0.3304, 0.3321

Tritanomaly

77.2260, 0.3138, 0.3207

Monochromacy



Original Color

77.2084, 0.3214, 0.3375

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5811, 0.3153, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2084, 0.3214, 0.3375 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(232, 227, 219)` looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 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(232, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 219) }
```

Border

The CSS property to change the border of an element to Yxy 77.2084, 0.3214, 0.3375 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(232, 227, 219) }
```

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

```
.border{ border-color:rgb(232, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2084, 0.3214, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 219) }
```

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

```
.background{ background-color: rgb(232,  
227, 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](#).

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