

Converting Colors

$Y_{xy}(100.0000, 0.3587, 0.3325)$

Have a look what the booklet for
Yxy(100.0000, 0.3587, 0.3325)
contains.

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Color

Yxy(89.6363, 0.3252, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0EC
RGB	255, 240, 236
RGB Percent	100%, 94%, 93%
CMY	0.0000, 0.0589, 0.0744
CMYK	0.00, 0.06, 0.07, 0.00
HSL	13°, 100%, 96%
HSV	13°, 7%, 100%
XYZ	87.5630, 89.6363, 92.0596
YIQ	244.0290, 10.2240, 1.9360

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 241, 236
Decimal	16773356
CIE Lab	95.85, 4.42, 3.72
CIE LCh	96, 5.779, 40.062
Yxy	89.6363, 0.3252, 0.3329
Android (android.graphics.Color)	4294963436 (0xFFFFF0EC)
YUV	244.0290, -3.9583, 9.6216
Hunter-Lab	94.6764, -0.5952, 8.6223

Details

The Yxy color 89.6363, 0.3252, 0.3329 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.0779, 0.3012, 0.3251, and the grayscale version is 90.5089, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.5820, 0.3279, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 77.0195, 0.3449, 0.3385, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



Red (100%)

Green (94%)

Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)



Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6363, 0.3252, 0.3329 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 89.6363, 0.3252, 0.3329 by changing the saturation by 10% instead.

 89.6363, 0.3252,
0.3329

 89.6363, 0.3252,
0.3329

526.8470, 0.3196,
0.3312

 67.6790, 0.3264,
0.3333


146.8331, 0.3233,
0.3323

 49.6367, 0.3279,
0.3337


182.8414, 0.3225,
0.3321

 35.1248, 0.3298,
0.3343


224.3022, 0.3219,
0.3319

 23.7590, 0.3322,
0.3350

271.5999, 0.3213,
0.3317

 15.1550, 0.3354,
0.3359

325.1188, 0.3208,
0.3316

 8.9282, 0.3398,
0.3371

385.2433, 0.3204,

 4.6944, 0.3464,

0.3314

0.3389

452.3580, 0.3200,
0.3313

■ 2.0691, 0.3571,
0.3416

■ 0.6472, 0.3984,
0.3566

■ 89.6363, 0.3252,
0.3329

■ 89.6363, 0.3252,
0.3329

■ 77.0195, 0.3449,
0.3385

100.0000, 0.3127,
0.3290

■ 65.8942, 0.3687,
0.3443

■ 56.1952, 0.3973,
0.3502

■ 47.8642, 0.4308,
0.3556

■ 40.8386, 0.4690,
0.3599

■ 35.0511, 0.5102,
0.3621

■ 30.4280, 0.5512,
0.3613

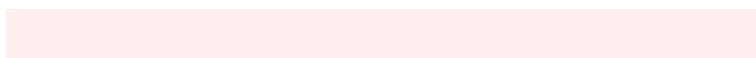
■ 26.8873, 0.5872,
0.3567

■ 24.3345, 0.6135,
0.3488

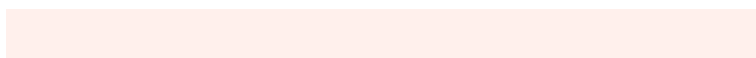
Harmonies

Analogous

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



89.6363, 0.3221, 0.3272



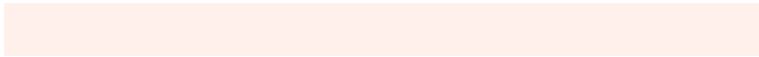
89.6363, 0.3252, 0.3329



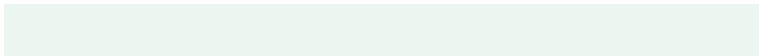
89.6363, 0.3249, 0.3377

Triad

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



89.6363, 0.3252, 0.3329



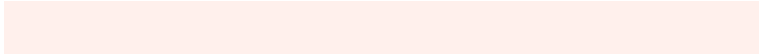
89.6363, 0.3089, 0.3362



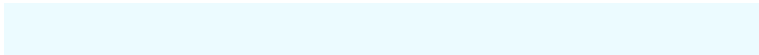
89.6363, 0.3042, 0.3180

Complementary

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



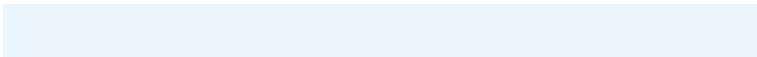
89.6363, 0.3252, 0.3329



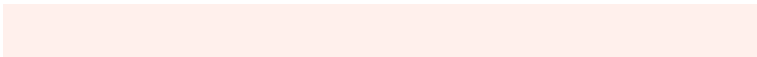
94.0779, 0.3012, 0.3251

Split Complementary

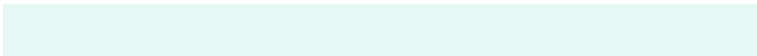
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6363, 0.3007, 0.3203



89.6363, 0.3252, 0.3329



89.6363, 0.3034, 0.3308

Square

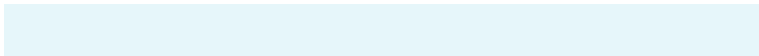
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6363, 0.3252, 0.3329



89.6363, 0.3154, 0.3396



89.6363, 0.3004, 0.3249



89.6363, 0.3099, 0.3187

Rectangle

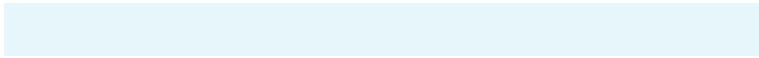
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6363, 0.3252, 0.3329



89.6363, 0.3228, 0.3396



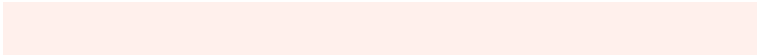
89.6363, 0.3004, 0.3249



89.6363, 0.3027, 0.3185

Sweetspot

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



89.6260, 0.3251, 0.3329



97.1274, 0.3159, 0.3300



88.2421, 0.3159, 0.3143



20.8194, 0.3157, 0.3300



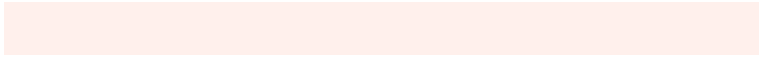
0.0000, 0.0000, 0.0000



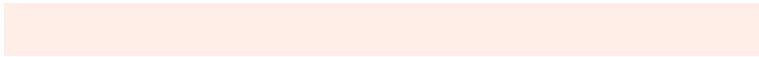
21.4041, 0.3127, 0.3290

Same Dimension

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



89.6260, 0.3251, 0.3329



87.5623, 0.3280, 0.3338



95.2587, 0.3243, 0.3419



18.6006, 0.3289, 0.3340



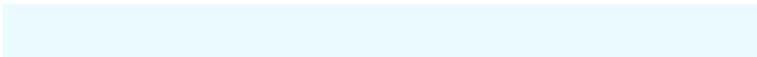
12.6183, 0.6164, 0.3487



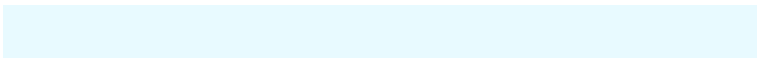
1.3770, 0.5957, 0.3652

Inverse Universe

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



94.0779, 0.3012, 0.3251



92.8887, 0.2988, 0.3242



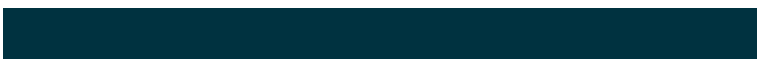
88.3922, 0.3012, 0.3158



19.8004, 0.2980, 0.3239



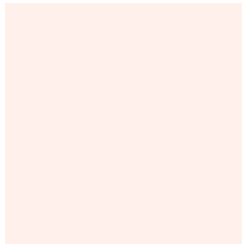
26.0250, 0.2057, 0.2604



2.6878, 0.2081, 0.2691

Previews

White Background



This preview shows how the Yxy color 89.6363, 0.3252, 0.3329 looks on a white background.

Color Contrast Check

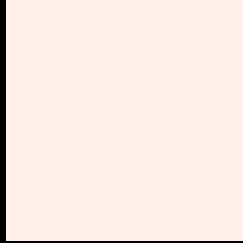
Large Text (above 18pt) WCAG AA × Fail

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 89.6363, 0.3252, 0.3329 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

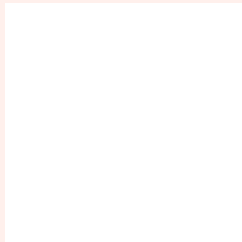
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6363, 0.3252, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 89.6363, 0.3252, 0.3329.

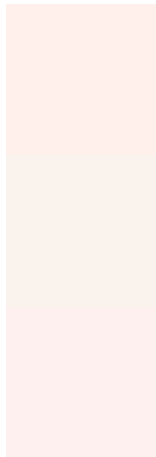


This preview shows how white text looks on a background with the Yxy color 89.6363, 0.3252, 0.3329.

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

89.6363, 0.3252, 0.3329

Protanopia

89.7584, 0.3204, 0.3340

Deuteranopia

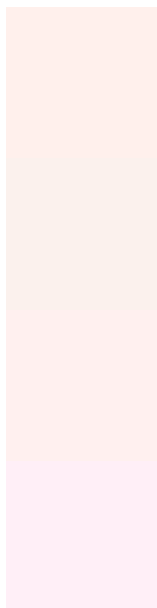
89.8714, 0.3226, 0.3290



Tritanopia

89.5009, 0.3147, 0.3146

Trichromacy



Original Color

89.6363, 0.3252, 0.3329

Protanomaly

89.5342, 0.3218, 0.3330

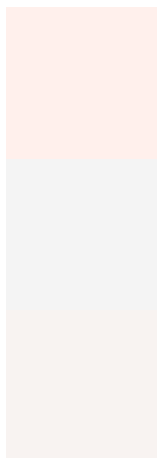
Deuteranomaly

89.8122, 0.3233, 0.3300

Tritanomaly

89.7084, 0.3184, 0.3213

Monochromacy



Original Color

89.6363, 0.3252, 0.3329

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.4085, 0.3172, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6363, 0.3252, 0.3329 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(255, 240, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 236)  
}
```

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(255, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 236) }
```

Border

The CSS property to change the border of an element to Yxy 89.6363, 0.3252, 0.3329 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(255, 240, 236) }
```

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

```
.border{ border-color:rgb(255, 240, 236) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6363, 0.3252, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 236) }
```

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

```
.background{ background-color: rgb(255,  
240, 236) }
```

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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