

Converting Colors

$Y_{xy}(109.0077, 0.4100, 0.3347)$

Have a look what the booklet for
Yxy(109.0077, 0.4100, 0.3347)
contains.

Yxy(82.5725, 0.3355, 0.3360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.5725, 0.3355, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5DE
RGB	255, 229, 222
RGB Percent	100%, 90%, 87%
CMY	0.0000, 0.1020, 0.1292
CMYK	0.00, 0.10, 0.13, 0.00
HSL	13°, 100%, 94%
HSV	13°, 13%, 100%
XYZ	82.4496, 82.5725, 80.7294
YIQ	235.9760, 17.7430, 3.3350

Conversions

Conversions Part 2

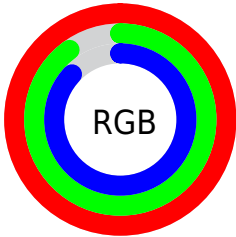
Format	Color
R _Y B	255, 231, 222
Decimal	16770526
CIE Lab	92.83, 7.77, 6.62
CIE LCh	93, 10.207, 40.397
Yxy	82.5725, 0.3355, 0.3360
Android (android.graphics.Color)	4294960606 (0xFFFFE5DE)
YUV	235.9760, -6.8902, 16.6840
Hunter-Lab	90.8694, 2.9391, 10.9347

Details

The Yxy color $82.5725, 0.3355, 0.3360$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89.9178, 0.2927, 0.3219$, and the grayscale version is $83.9083, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.0679, 0.3405, 0.3380$ is the 20% darker color. If you saturate the color by 10%, you get $70.8142, 0.3574, 0.3418$, and if you desaturate by 10%, it is $95.8332, 0.3174, 0.3305$.

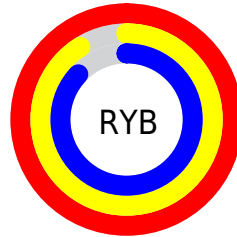
Distribution



Red (100%)

Green (90%)

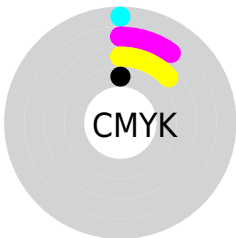
Blue (87%)



Red (100%)

Yellow (91%)

Blue (87%)

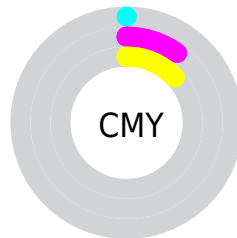


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5725, 0.3355, 0.3360 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 82.5725, 0.3355, 0.3360 by changing the saturation by 10% instead.


 82.5725, 0.3355,
0.3360

 82.5725, 0.3355,
0.3360

503.5607, 0.3251,
0.3329

 61.8375, 0.3378,
0.3367


136.9766, 0.3319,
0.3350

 44.9014, 0.3407,
0.3375


171.4144, 0.3305,
0.3346

 31.3798, 0.3443,
0.3384

211.1888, 0.3293,
0.3342

 20.8882, 0.3489,
0.3397

256.6839, 0.3283,
0.3339

 13.0423, 0.3552,
0.3413

308.2843, 0.3274,
0.3336

 7.4577, 0.3640,
0.3435

366.3743, 0.3265,

 3.7500, 0.3774,

0.3334

431.3383, 0.3258,
0.3331

0.3465

1.5347, 0.4001,
0.3509

0.3130, 0.6089,
0.3911

82.5725, 0.3355,
0.3360

82.5725, 0.3355,
0.3360

70.8142, 0.3574,
0.3418

95.8332, 0.3174,
0.3305

60.4968, 0.3837,
0.3478

100.0000, 0.3127,
0.3290

51.5669, 0.4149,
0.3535

43.9644, 0.4510,
0.3585

■ 37.6249, 0.4911,
0.3619

■ 32.4784, 0.5326,
0.3626

■ 28.4477, 0.5714,
0.3597

■ 25.4458, 0.6025,
0.3531

■ 23.8825, 0.6185,
0.3471

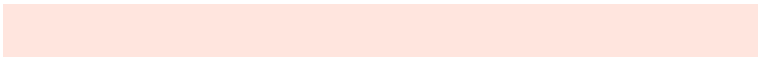
Harmonies

Analogous

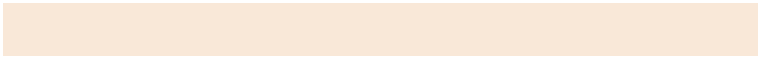
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5725, 0.3299, 0.3257



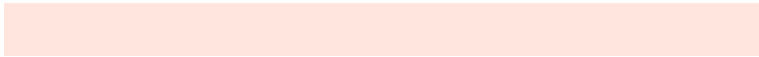
82.5725, 0.3355, 0.3360



82.5725, 0.3348, 0.3447

Triad

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



82.5725, 0.3355, 0.3360



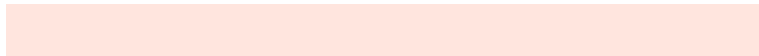
82.5725, 0.3055, 0.3421



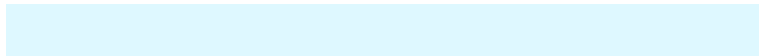
82.5725, 0.2973, 0.3091

Complementary

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



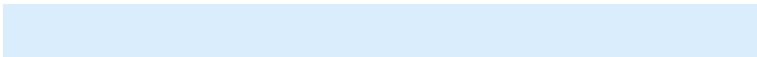
82.5725, 0.3355, 0.3360



89.9178, 0.2927, 0.3219

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.



82.5725, 0.2910, 0.3130



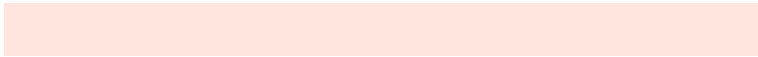
82.5725, 0.3355, 0.3360



82.5725, 0.2957, 0.3320

Square

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



82.5725, 0.3355, 0.3360



82.5725, 0.3174, 0.3485



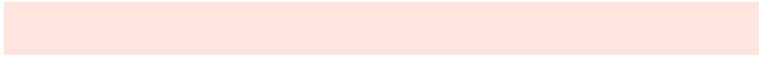
82.5725, 0.2905, 0.3213



82.5725, 0.3077, 0.3105

Rectangle

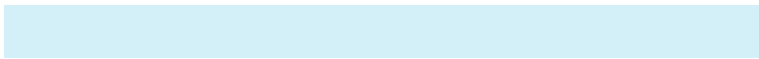
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



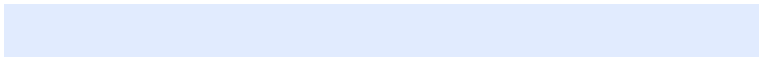
82.5725, 0.3355, 0.3360



82.5725, 0.3309, 0.3484



82.5725, 0.2905, 0.3213



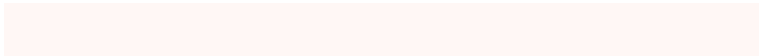
82.5725, 0.2946, 0.3099

Sweetspot

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



82.5753, 0.3355, 0.3360



94.3333, 0.3192, 0.3311



80.3285, 0.3185, 0.3032



19.9690, 0.3204, 0.3315



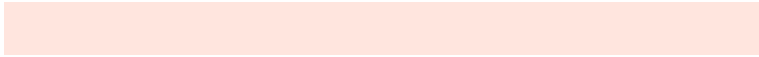
0.0000, 0.0000, 0.0000



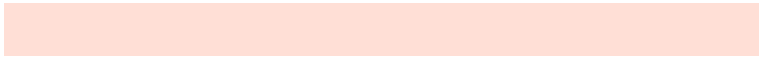
21.4041, 0.3127, 0.3290

Same Dimension

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



82.5753, 0.3355, 0.3360



78.8006, 0.3418, 0.3378



91.9096, 0.3334, 0.3517



18.6083, 0.3289, 0.3341



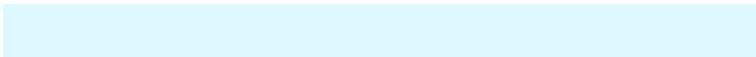
12.6516, 0.6159, 0.3491



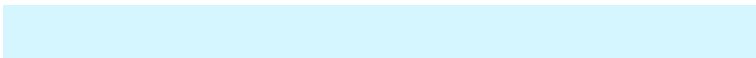
1.3813, 0.5951, 0.3657

Inverse Universe

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



89.9178, 0.2927, 0.3219



87.6936, 0.2880, 0.3201



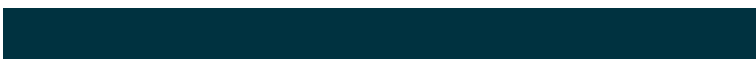
80.4307, 0.2923, 0.3052



19.7921, 0.2980, 0.3239



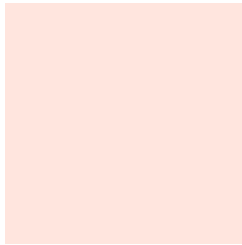
25.8665, 0.2054, 0.2595



2.6736, 0.2079, 0.2683

Previews

White Background



This preview shows how the Yxy color 82.5725, 0.3355, 0.3360 looks on a white background.

Color Contrast Check

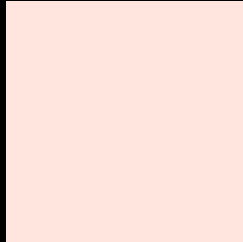
Large Text (above 18pt) WCAG AA × Fail

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 82.5725, 0.3355, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

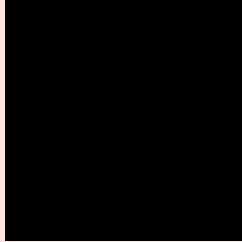
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

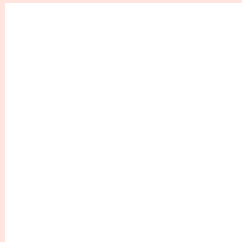
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5725, 0.3355, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 82.5725, 0.3355, 0.3360.

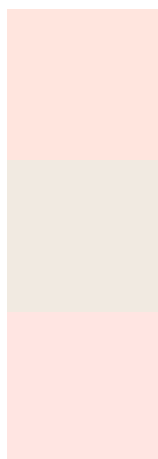


This preview shows how white text looks on a background with the Yxy color 82.5725, 0.3355, 0.3360.

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

82.5725, 0.3355, 0.3360

Protanopia

82.9827, 0.3232, 0.3382

Deuteranopia

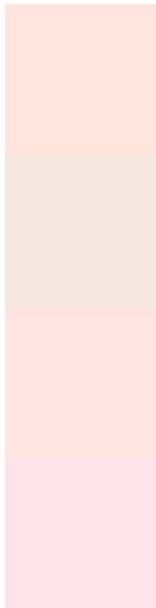
82.7896, 0.3328, 0.3320



Tritanopia

82.6090, 0.3224, 0.3143

Trichromacy



Original Color

82.5725, 0.3355, 0.3360

Protanomaly

82.6879, 0.3275, 0.3372

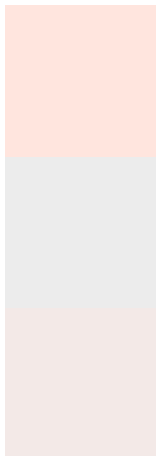
Deuteranomaly

82.7349, 0.3335, 0.3330

Tritanomaly

82.7450, 0.3269, 0.3221

Monochromacy



Original Color

82.5725, 0.3355, 0.3360

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.1020, 0.3208, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5725, 0.3355, 0.3360 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, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 222)  
}
```

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, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 222) }
```

Border

The CSS property to change the border of an element to Yxy 82.5725, 0.3355, 0.3360 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, 229, 222) }
```

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

```
.border{ border-color:rgb(255, 229, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 222); box-shadow:4px 4px 4px 4px rgb(255, 229, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5725, 0.3355, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 222) }
```

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

```
.background{ background-color: rgb(255,  
229, 222) }
```

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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