

Converting Colors

$Y_{xy}(81.5940, 0.3389, 0.3718)$

Have a look what the booklet for
Yxy(81.5940, 0.3389, 0.3718)
contains.

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Color

Yxy(81.7639, 0.3388, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	ECECC3
RGB	236, 236, 195
RGB Percent	93%, 93%, 76%
CMY	0.0747, 0.0744, 0.2353
CMYK	0.00, 0.00, 0.17, 0.07
HSL	60°, 52%, 85%
HSV	60°, 17%, 93%
XYZ	74.4267, 81.7639, 63.4867
YIQ	231.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

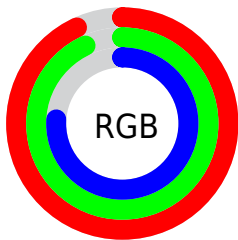
Format	Color
R_{YB}	195, 236, 195
Decimal	15527107
CIE _{Lab}	92.47, -6.69, 19.93
CIE _{LCh}	92, 21.025, 108.547
Yxy	81.7639, 0.3388, 0.3722
Android (android.graphics.Color)	4293717187 (0xFFECECC3)
YUV	231.3260, -17.9087, 4.0991
Hunter-Lab	90.4234, -11.3192, 21.6685

Details

The Yxy color **81.7639, 0.3388, 0.3722** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.6968, 0.2842, 0.2818**, and the grayscale version is **80.2929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **44.2689, 0.3448, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **80.7767, 0.3540, 0.3974**, and if you desaturate by 10%, it is **82.9271, 0.3236, 0.3471**.

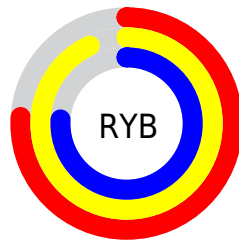
Distribution



Red (93%)

Green (93%)

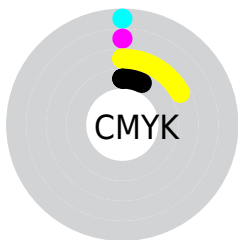
Blue (76%)



Red (76%)

Yellow (93%)

Blue (76%)

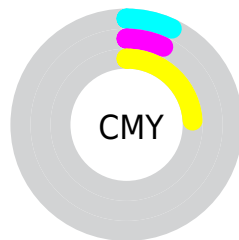


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7639, 0.3388, 0.3722 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 81.7639, 0.3388, 0.3722 by changing the saturation by 10% instead.


 81.7639, 0.3388,
0.3722

 81.7639, 0.3388,
0.3722


500.8576, 0.3271,
0.3524

 61.1709, 0.3414,
0.3767


135.8429, 0.3348,
0.3654

 44.3631, 0.3445,
0.3822

170.0977, 0.3333,
0.3627

 30.9561, 0.3483,
0.3891

209.6752, 0.3319,
0.3604

 20.5654, 0.3532,
0.3980

254.9598, 0.3307,
0.3584

 12.8067, 0.3595,
0.4100

306.3360, 0.3297,
0.3566

 7.2956, 0.3680,
0.4268

364.1881, 0.3287,

 3.6476, 0.3796,

0.3550

428.9005, 0.3279,
0.3536

0.4519

1.4785, 0.4279,
0.5326

0.2735, 0.2612,
0.7388

81.7639, 0.3388,
0.3722

81.7639, 0.3388,
0.3722

80.7767, 0.3540,
0.3974

82.9271, 0.3236,
0.3471

79.9468, 0.3688,
0.4219

84.2627, 0.3089,
0.3227

79.2691, 0.3825,
0.4446


85.0659, 0.3013,
0.3100


78.7345, 0.3945,
0.4646


85.0721, 0.3013,
0.3100

 78.3324, 0.4044,
0.4810


 85.0782, 0.3013,
0.3100

 78.0512, 0.4117,
0.4932

 85.0844, 0.3013,
0.3100


 77.8771, 0.4164,
0.5010

 85.0906, 0.3013,
0.3100

 77.7919, 0.4187,
0.5048

 85.0967, 0.3014,
0.3100

 77.7767, 0.4191,
0.5055

 85.1029, 0.3014,
0.3100

Harmonies

Analogous

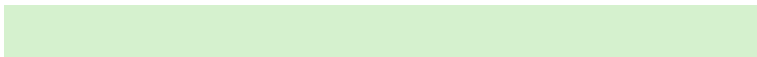
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7639, 0.3558, 0.3645



81.7639, 0.3388, 0.3722



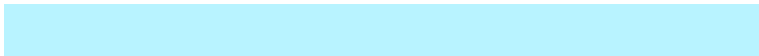
81.7639, 0.3152, 0.3675

Triad

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



81.7639, 0.3388, 0.3722



81.7639, 0.2666, 0.3071



81.7639, 0.3333, 0.3082

Complementary

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



81.7639, 0.3388, 0.3722



56.6968, 0.2842, 0.2818

Split Complementary

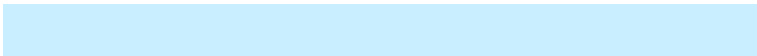
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7639, 0.3087, 0.2941



81.7639, 0.3388, 0.3722



81.7639, 0.2709, 0.2928

Square

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



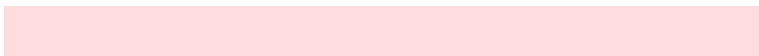
81.7639, 0.3388, 0.3722



81.7639, 0.2740, 0.3285



81.7639, 0.2861, 0.2884



81.7639, 0.3528, 0.3275

Rectangle

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



81.7639, 0.3388, 0.3722



81.7639, 0.2990, 0.3577



81.7639, 0.2861, 0.2884



81.7639, 0.3254, 0.3027

Sweetspot

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



81.7675, 0.3388, 0.3722



99.2022, 0.3201, 0.3412



60.8055, 0.3462, 0.3291



21.2103, 0.3212, 0.3430



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.



81.7675, 0.3388, 0.3722



97.0028, 0.3445, 0.3816



78.4662, 0.3244, 0.3742



17.6258, 0.3268, 0.3523



42.8646, 0.4191, 0.5055



3.3663, 0.4191, 0.5054

Inverse Universe

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



56.6968, 0.2842, 0.2818



61.6947, 0.2773, 0.2704



59.6108, 0.2992, 0.2838



14.5501, 0.2980, 0.3046



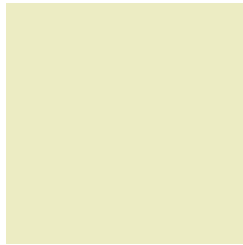
3.3400, 0.1501, 0.0600



0.2627, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 81.7639, 0.3388, 0.3722 looks on a white background.

Color Contrast Check

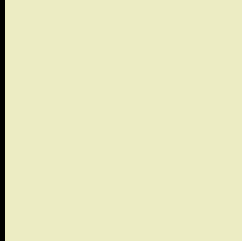
Large Text (above 18pt) WCAG AA × Fail

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 81.7639, 0.3388, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

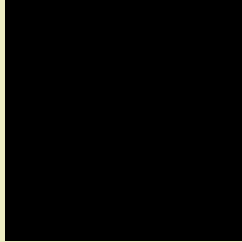
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

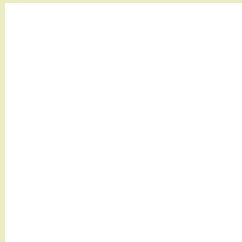
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7639, 0.3388, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 81.7639, 0.3388, 0.3722.

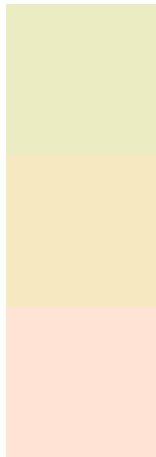


This preview shows how white text looks on a background with the Yxy color 81.7639, 0.3388, 0.3722.

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

81.7639, 0.3388, 0.3722

Protanopia

81.7209, 0.3479, 0.3703

Deuteranopia

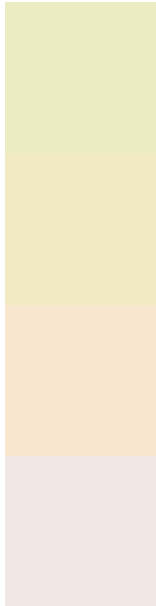
81.5509, 0.3418, 0.3441



Tritanopia

81.8087, 0.3108, 0.3110

Trichromacy



Original Color

81.7639, 0.3388, 0.3722

Protanomaly

81.6179, 0.3441, 0.3707

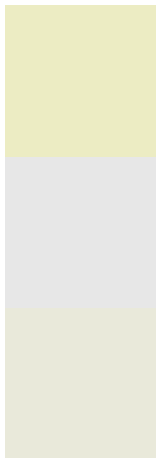
Deuteranomaly

81.5645, 0.3410, 0.3546

Tritanomaly

81.8399, 0.3207, 0.3331

Monochromacy



Original Color

81.7639, 0.3388, 0.3722

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6634, 0.3222, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7639, 0.3388, 0.3722 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(236, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 195)  
}
```

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(236, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 195) }
```

Border

The CSS property to change the border of an element to Yxy 81.7639, 0.3388, 0.3722 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(236, 236, 195) }
```

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

```
.border{ border-color:rgb(236, 236, 195) }
```

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

Here you see how a box with a 4 pixel rgb(236, 236, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 195);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7639, 0.3388, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 195) }
```

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

```
.background{ background-color: rgb(236,  
236, 195) }
```

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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