Converting Colors

Yxy(115.7774, 0.3429, 0.3635)

Have a look what the booklet for Yxy(115.7774, 0.3429, 0.3635) contains.

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Color

Yxy(98.6632, 0.3256, 0.3503)

Conversions

Format	Color
Hex	FFFFE9
RGB	255, 255, 233
RGB Percent	100%, 100%, 91%
CMY	0.0000, 0.0000, 0.0864
CMYK	0.00, 0.00, 0.09, 0.00
HSL	60°, 100%, 96%
HSV	60°, 9%, 100%
XYZ	91.7064, 98.6632, 91.2839
YIQ	252.4920, 7.0620, -6.8420

Conversions Part 1

Conversions

Conversions Part 2

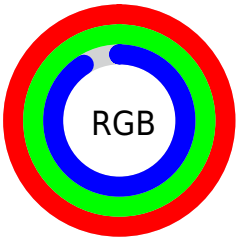
Format	Color
RYB	233, 255, 233
Decimal	16777193
CIELab	99.48, -3.69, 10.52
CIELCh	99, 11.148, 109.329
Yxy	98.6632, 0.3256, 0.3503
Android (android.graphics.Color)	4294967273 (0xFFFFFFE9)
YUV	252.4920, -9.6096, 2.1995
Hunter-Lab	99.3294, -9.0253, 15.0429

Details

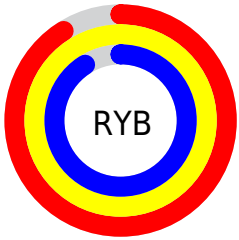
The Yxy color 98.6632, 0.3256, 0.3503 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 82.8058, 0.2993, 0.3068, and the grayscale version is 97.8526, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.5683, 0.3283, 0.3548 is the 20% darker color. If you saturate the color by 10%, you get 97.3084, 0.3409, 0.3756, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

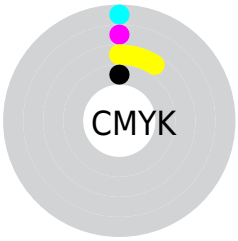
Distribution



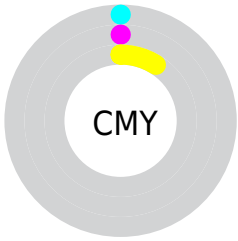
- Red (100%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 98.6632, 0.3256, 0.3503 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 98.6632, 0.3256, 0.3503 by changing the saturation by 10% instead.

98.6632, 0.3256, 0.3503

555.8270, 0.3200, 0.3409

159.3159, 0.3237, 0.3471

197.2618, 0.3230, 0.3459

240.7998, 0.3223, 0.3448

290.3145, 0.3217, 0.3438

346.1902, 0.3212, 0.3430

408.8112, 0.3208,

98.6632, 0.3256, 0.3503

75.1876, 0.3268, 0.3523

55.7666, 0.3283, 0.3548

40.0158, 0.3300, 0.3579

27.5509, 0.3323, 0.3618

17.9874, 0.3352, 0.3669

10.9409, 0.3391, 0.3739

6.0271, 0.3447,

0.3422

478.5620, 0.3204, 0.3415

0.3839

2.8616, 0.3531, 0.3998

1.0599, 0.3826, 0.4460

98.6632, 0.3256, 0.3503

97.3084, 0.3409, 0.3756

96.1565, 0.3562, 0.4008

95.1966, 0.3709, 0.4252

94.4181, 0.3845, 0.4476

98.6632, 0.3256, 0.3503

100.0000, 0.3127, 0.3290

93.8098, 0.3963, 0.4672

93.3589, 0.4059, 0.4830

93.0509, 0.4129, 0.4946

92.8686, 0.4172, 0.5017

92.7876, 0.4191, 0.5049

Harmonies

Analogous

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

98.6632, 0.3340, 0.3471

98.6632, 0.3256, 0.3503

98.6632, 0.3138, 0.3476

Triad

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

98.6632, 0.3256, 0.3503

98.6632, 0.2894, 0.3182

98.6632, 0.3234, 0.3187

Complementary

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

98.6632, 0.3256, 0.3503

82.8058, 0.2993, 0.3068

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.

98.6632, 0.3112, 0.3113

98.6632, 0.3256, 0.3503

98.6632, 0.2918, 0.3108

Square

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

98.6632, 0.3256, 0.3503

98.6632, 0.2931, 0.3287

98.6632, 0.2997, 0.3084

98.6632, 0.3327, 0.3288

Rectangle

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

98.6632, 0.3256, 0.3503

98.6632, 0.3057, 0.3428

98.6632, 0.2997, 0.3084

98.6632, 0.3195, 0.3158

Sweetspot

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

98.6620, 0.3256, 0.3503

99.5170, 0.3171, 0.3363

85.4078, 0.3278, 0.3290

21.2738, 0.3183, 0.3383

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.

98.6620, 0.3256, 0.3503

98.4651, 0.3277, 0.3537

96.6332, 0.3186, 0.3508

21.0908, 0.3269, 0.3525

48.4795, 0.4193, 0.5053

4.7203, 0.4193, 0.5053

Inverse Universe

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

82.8058, 0.2993, 0.3068

80.2761, 0.2970, 0.3030

84.7170, 0.3064, 0.3073

17.3778, 0.2978, 0.3044

3.7726, 0.1500, 0.0600

0.3673, 0.1500, 0.0600

Previews

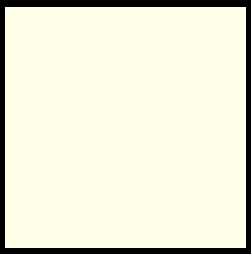
White Background

This preview shows how the Yxy color 98.6632, 0.3256, 0.3503 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



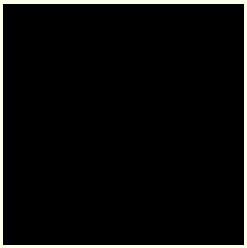
This preview shows how the Yxy color 98.6632, 0.3256, 0.3503 looks on a black background.

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 98.6632, 0.3256, 0.3503 Background



This preview shows how black text looks on a background with the Yxy color 98.6632, 0.3256, 0.3503.

This preview shows how white text looks on a background with the Yxy color 98.6632, 0.3256, 0.3503.

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
98.6632, 0.3256, 0.3503

Protanopia
98.4127, 0.3157, 0.3319

Deuteranopia
98.6024, 0.3140, 0.3290

Tritanopia
98.5414, 0.3122, 0.3271

Trichromacy

Original Color
98.6632, 0.3256, 0.3503

Protanomaly
98.6753, 0.3192, 0.3386

Deuteranomaly
98.7974, 0.3180, 0.3367

Tritanomaly
98.6699, 0.3168, 0.3357

Monochromacy

Original Color
98.6632, 0.3256, 0.3503

Achromatopsia
97.3445, 0.3127, 0.3290

Achromatomaly
97.7258, 0.3174, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.6632, 0.3256, 0.3503 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, 255, 233) looks like:

```
.text, #text, p{
    color:rgb(255, 255, 233)
}
```

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, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 98.6632, 0.3256, 0.3503 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, 255, 233) }
```

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

```
.border{ border-color:rgb(255, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 233); box-shadow:4px 4px 4px 4px rgb(255, 255, 233) }
```

Background

The CSS property to change the background color of an element to Yxy 98.6632, 0.3256, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 255, 233) }
```

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

```
.background{ background-color:rgb(255,
255, 233) }
```

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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