Converting Colors

Yxy(96.4385, 0.3241, 0.3437)

Have a look what the booklet for Yxy(96.4385, 0.3241, 0.3437) contains.

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Color

Yxy(96.3105, 0.3242, 0.3435)

Conversions

Format	Color
Hex	FFFBEC
RGB	255, 251, 236
RGB Percent	100%, 98%, 93%
CMY	0.0000, 0.0158, 0.0744
CMYK	0.00, 0.02, 0.07, 0.00
HSL	47°, 100%, 96%
HSV	47°, 7%, 100%
XYZ	90.8992, 96.3105, 93.1702
YIQ	250.4860, 7.1990, -3.8170

Conversions Part 1

Conversions

Conversions Part 2

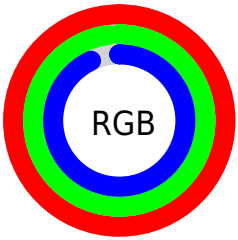
Format	Color
RYB	241, 255, 236
Decimal	16776172
CIELab	98.56, -1.16, 7.63
CIELCh	99, 7.721, 98.606
Yxy	96.3105, 0.3242, 0.3435
Android (android.graphics.Color)	4294966252 (0xFFFFFBEC)
YUV	250.4860, -7.1416, 3.9588
Hunter-Lab	98.1379, -6.4077, 12.4078

Details

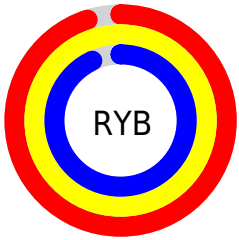
The Yxy color 96.3105, 0.3242, 0.3435 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 87.3990, 0.3012, 0.3141, and the grayscale version is 96.0691, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3313, 0.3265, 0.3475 is the 20% darker color. If you saturate the color by 10%, you get 91.5987, 0.3406, 0.3637, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

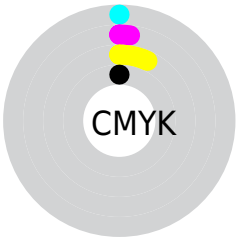
Distribution



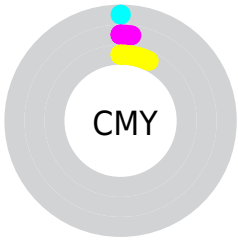
- Red (100%)
- Green (98%)
- Blue (93%)



- Red (95%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.3105, 0.3242, 0.3435 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 96.3105, 0.3242, 0.3435 by changing the saturation by 10% instead.

96.3105, 0.3242, 0.3435

548.3519, 0.3192, 0.3371

156.0739, 0.3225, 0.3413

193.5217, 0.3218, 0.3405

236.5262, 0.3212, 0.3397

285.4717, 0.3207, 0.3391

340.7426, 0.3203, 0.3385

402.7234, 0.3199,

96.3105, 0.3242, 0.3435

73.2262, 0.3253, 0.3449

54.1609, 0.3266, 0.3466

38.7303, 0.3283, 0.3487

26.5500, 0.3303, 0.3513

17.2356, 0.3330, 0.3548

10.4026, 0.3367, 0.3596

5.6667, 0.3421,

0.3380

0.3665

471.7984, 0.3195, 0.3375

2.6435, 0.3504, 0.3773

0.9486, 0.3763, 0.4091

96.3105, 0.3242, 0.3435

96.3105, 0.3242, 0.3435

91.5987, 0.3406, 0.3637

100.0000, 0.3127, 0.3290

87.1946, 0.3580, 0.3843

83.0781, 0.3760, 0.4047

79.2382, 0.3942, 0.4240

75.6628, 0.4118, 0.4412

72.3385, 0.4280, 0.4552

69.2502, 0.4421, 0.4650

66.3803, 0.4533, 0.4701

63.7061, 0.4616, 0.4705

Harmonies

Analogous

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

96.3105, 0.3287, 0.3400

96.3105, 0.3242, 0.3435

96.3105, 0.3166, 0.3431

Triad

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

96.3105, 0.3242, 0.3435

96.3105, 0.2968, 0.3240

96.3105, 0.3173, 0.3196

Complementary

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

96.3105, 0.3242, 0.3435

87.3990, 0.3012, 0.3141

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.

96.3105, 0.3087, 0.3154

96.3105, 0.3242, 0.3435

96.3105, 0.2969, 0.3178

Square

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

96.3105, 0.3242, 0.3435

96.3105, 0.3008, 0.3317

96.3105, 0.3013, 0.3147

96.3105, 0.3247, 0.3263

Rectangle

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

96.3105, 0.3242, 0.3435

96.3105, 0.3109, 0.3405

96.3105, 0.3013, 0.3147

96.3105, 0.3144, 0.3179

Sweetspot

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

96.3010, 0.3242, 0.3435

98.9890, 0.3157, 0.3328

87.5621, 0.3229, 0.3250

21.1984, 0.3156, 0.3327

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.

96.3010, 0.3242, 0.3435

95.5487, 0.3266, 0.3466

97.8317, 0.3204, 0.3475

20.3995, 0.3274, 0.3476

33.1678, 0.4626, 0.4709

3.3848, 0.4566, 0.4756

Inverse Universe

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

87.3990, 0.3012, 0.3141

84.8991, 0.2987, 0.3108

85.9939, 0.3047, 0.3102

18.0007, 0.2979, 0.3097

5.3228, 0.1559, 0.0813

0.6680, 0.1614, 0.1009

Previews

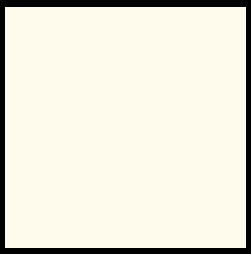
White Background

This preview shows how the Yxy color 96.3105, 0.3242, 0.3435 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



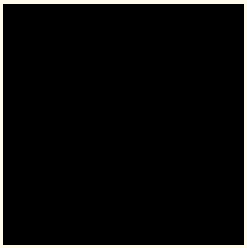
This preview shows how the Yxy color 96.3105, 0.3242, 0.3435 looks on a black background.

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 96.3105, 0.3242, 0.3435 Background



This preview shows how black text looks on a background with the Yxy color 96.3105, 0.3242, 0.3435.

This preview shows how white text looks on a background with the Yxy color 96.3105, 0.3242, 0.3435.

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
96.3105, 0.3242, 0.3435

Protanopia
96.1023, 0.3200, 0.3358

Deuteranopia
96.4708, 0.3165, 0.3300

Tritanopia
96.4739, 0.3117, 0.3242

Trichromacy

Original Color
96.3105, 0.3242, 0.3435

Protanomaly
95.9225, 0.3218, 0.3387

Deuteranomaly
96.1629, 0.3194, 0.3348

Tritanomaly
96.2194, 0.3164, 0.3309

Monochromacy

Original Color
96.3105, 0.3242, 0.3435

Achromatopsia
95.5973, 0.3127, 0.3290

Achromatomaly
95.6592, 0.3169, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.3105, 0.3242, 0.3435 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, 251, 236) looks like:

```
.text, #text, p{
    color:rgb(255, 251, 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, 251, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 236) }
```

Border

The CSS property to change the border of an element to Yxy 96.3105, 0.3242, 0.3435 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, 251, 236) }
```

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

```
.border{ border-color:rgb(255, 251, 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, 251, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 251, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 251, 236); box-shadow:4px 4px 4px 4px rgb(255, 251, 236) }
```

Background

The CSS property to change the background color of an element to Yxy 96.3105, 0.3242, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 251, 236) }
```

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

```
.background{ background-color:rgb(255,
251, 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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