

Converting Colors

$Y_{xy}(85.2910, 0.3295, 0.3515)$

Have a look what the booklet for
Yxy(85.2910, 0.3295, 0.3515)
contains.

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Color

Yxy(85.1616, 0.3299, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	F3EED8
RGB	243, 238, 216
RGB Percent	95%, 93%, 85%
CMY	0.0471, 0.0666, 0.1529
CMYK	0.00, 0.02, 0.11, 0.05
HSL	49°, 53%, 90%
HSV	49°, 11%, 95%
XYZ	79.9283, 85.1616, 77.1906
YIQ	236.9870, 10.0420, -5.7820

Conversions

Conversions Part 2

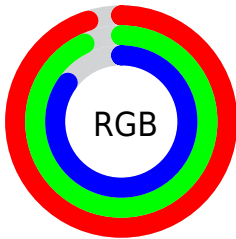
Format	Color
R _Y B	222, 243, 216
Decimal	15986392
CIE Lab	93.95, -1.99, 11.24
CIE LCh	94, 11.416, 100.038
Yxy	85.1616, 0.3299, 0.3515
Android (android.graphics.Color)	4294176472 (0xFFF3EED8)
YUV	236.9870, -10.3466, 5.2734
Hunter-Lab	92.2830, -6.8926, 15.0047

Details

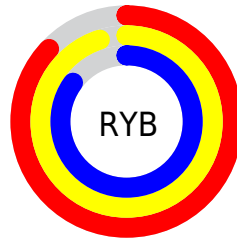
The Yxy color **85.1616, 0.3299, 0.3515** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7726, 0.2953, 0.3055**, and the grayscale version is **84.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5939, 0.3341, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **81.4213, 0.3465, 0.3725**, and if you desaturate by 10%, it is **89.1602, 0.3144, 0.3312**.

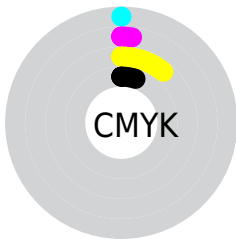
Distribution



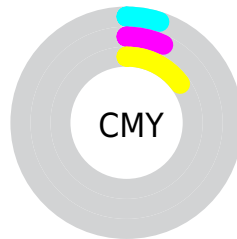
- Red (95%)
- Green (93%)
- Blue (85%)



- Red (87%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1616, 0.3299, 0.3515 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 85.1616, 0.3299, 0.3515 by changing the saturation by 10% instead.

85.1616, 0.3299,
0.3515

85.1616, 0.3299,
0.3515

512.1626, 0.3222,
0.3413

63.9749, 0.3316,
0.3538

140.5989, 0.3273,
0.3480

46.6304, 0.3337,
0.3565

175.6184, 0.3262,
0.3467

32.7435, 0.3363,
0.3600

216.0175, 0.3253,
0.3455

21.9300, 0.3396,
0.3645

262.1808, 0.3245,
0.3444

13.8055, 0.3440,
0.3704

314.4925, 0.3239,
0.3435

7.9855, 0.3501,
0.3788

373.3371, 0.3232,

4.0857, 0.3591,

0.3427

0.3912

439.0990, 0.3227,
0.3420

■ 1.7216, 0.3737,
0.4119

■ 0.4376, 0.4564,
0.5436

■ 85.1616, 0.3299,
0.3515

■ 85.1616, 0.3299,
0.3515

■ 81.4213, 0.3465,
0.3725

■ 89.1602, 0.3144,
0.3312

■ 77.9196, 0.3638,
0.3937

■ 92.7803, 0.3055,
0.3211

■ 74.6509, 0.3814,
0.4143

■ 95.5555, 0.3054,
0.3255

■ 71.6054, 0.3988,
0.4334

■ 97.7928, 0.3053,
0.3290

■ 68.7722, 0.4151,
0.4499

■ 66.1392, 0.4296,
0.4629

■ 63.6925, 0.4417,
0.4715

■ 61.4156, 0.4509,
0.4754

■ 59.5103, 0.4569,
0.4754

Harmonies

Analogous

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



85.1616, 0.3373, 0.3462



85.1616, 0.3299, 0.3515



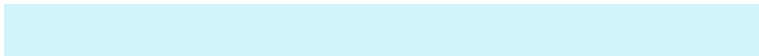
85.1616, 0.3180, 0.3506

Triad

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



85.1616, 0.3299, 0.3515



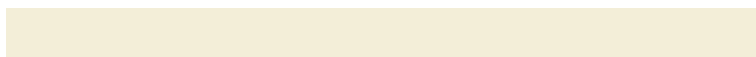
85.1616, 0.2882, 0.3206



85.1616, 0.3203, 0.3151

Complementary

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



85.1616, 0.3299, 0.3515



72.7726, 0.2953, 0.3055

Split Complementary

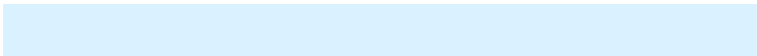
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1616, 0.3070, 0.3085



85.1616, 0.3299, 0.3515



85.1616, 0.2887, 0.3114

Square

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



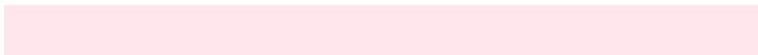
85.1616, 0.3299, 0.3515



85.1616, 0.2940, 0.3325



85.1616, 0.2955, 0.3071



85.1616, 0.3317, 0.3252

Rectangle

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



85.1616, 0.3299, 0.3515



85.1616, 0.3092, 0.3465



85.1616, 0.2955, 0.3071



85.1616, 0.3159, 0.3124

Sweetspot

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



85.1653, 0.3299, 0.3515



98.6197, 0.3172, 0.3350



73.4070, 0.3288, 0.3235



21.0306, 0.3185, 0.3366



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.



85.1653, 0.3299, 0.3515



94.2049, 0.3330, 0.3555



86.6968, 0.3238, 0.3569



18.7631, 0.3273, 0.3482



32.8496, 0.4562, 0.4760



3.0190, 0.4507, 0.4803

Inverse Universe

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



72.7726, 0.2953, 0.3055



78.1946, 0.2920, 0.3010



71.4458, 0.3007, 0.3005



16.4213, 0.2979, 0.3091



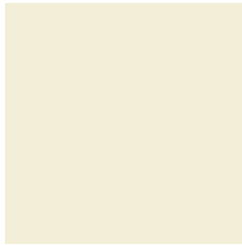
4.7157, 0.1548, 0.0771



0.5474, 0.1605, 0.0979

Previews

White Background



This preview shows how the Yxy color 85.1616, 0.3299, 0.3515 looks on a white background.

Color Contrast Check

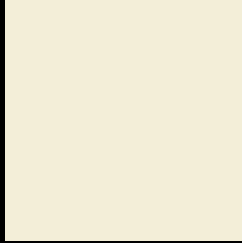
Large Text (above 18pt) WCAG AA × Fail

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 85.1616, 0.3299, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

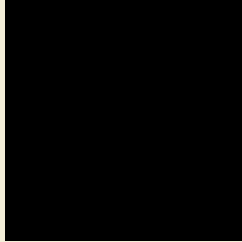
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1616, 0.3299, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 85.1616, 0.3299, 0.3515.

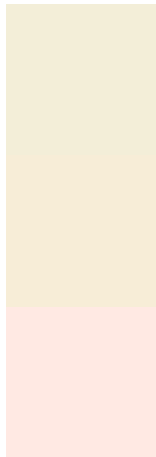


This preview shows how white text looks on a background with the Yxy color 85.1616, 0.3299, 0.3515.

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

85.1616, 0.3299, 0.3515

Protanopia

85.2488, 0.3335, 0.3513

Deuteranopia

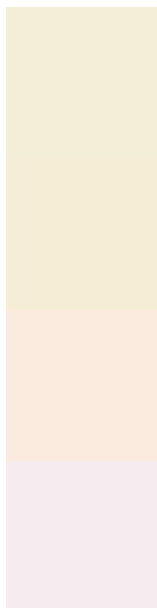
85.0839, 0.3317, 0.3350



Tritanopia

85.1993, 0.3115, 0.3113

Trichromacy



Original Color

85.1616, 0.3299, 0.3515

Protanomaly

85.0675, 0.3328, 0.3514

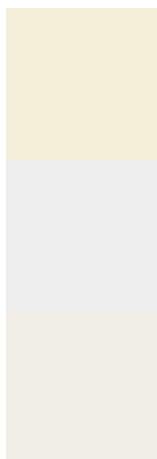
Deuteranomaly

85.2536, 0.3313, 0.3411

Tritanomaly

85.1825, 0.3182, 0.3260

Monochromacy



Original Color

85.1616, 0.3299, 0.3515

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5762, 0.3190, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1616, 0.3299, 0.3515 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(243, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 238, 216)  
}
```

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(243, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 85.1616, 0.3299, 0.3515 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(243, 238, 216) }
```

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

```
.border{ border-color:rgb(243, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1616, 0.3299, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 238, 216) }
```

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

```
.background{ background-color: rgb(243,  
238, 216) }
```

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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