

Converting Colors

$Yxy(82.1211, 0.3223, 0.3491)$

Have a look what the booklet for
Yxy(82.1211, 0.3223, 0.3491)
contains.

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Color

Yxy(82.1565, 0.3219, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECD9
RGB	232, 236, 217
RGB Percent	91%, 93%, 85%
CMY	0.0902, 0.0745, 0.1490
CMYK	0.02, 0.00, 0.08, 0.07
HSL	73°, 33%, 89%
HSV	73°, 8%, 93%
XYZ	75.7987, 82.1565, 77.5177
YIQ	232.6380, 3.7150, -6.7570

Conversions

Conversions Part 2

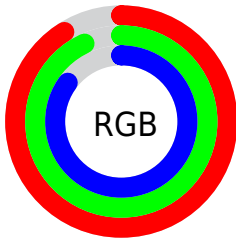
Format	Color
R _Y B	217, 236, 221
Decimal	15264985
CIE Lab	92.64, -4.62, 8.73
CIE LCh	93, 9.880, 117.883
Yxy	82.1565, 0.3219, 0.3489
Android (android.graphics.Color)	4293455065 (0xFFE8ECD9)
YUV	232.6380, -7.7095, -0.5595
Hunter-Lab	90.6402, -9.3481, 12.7419

Details

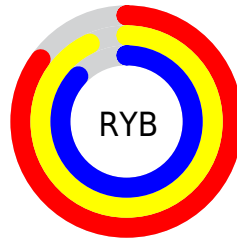
The Yxy color **82.1565, 0.3219, 0.3489** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.0662, 0.3031, 0.3086**, and the grayscale version is **81.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4813, 0.3238, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **80.1961, 0.3335, 0.3748**, and if you desaturate by 10%, it is **84.3233, 0.3105, 0.3243**.

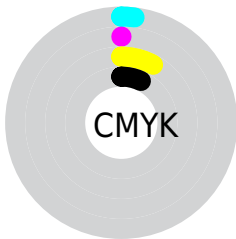
Distribution



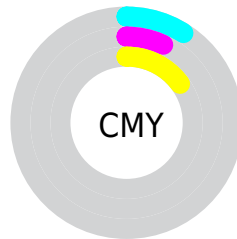
- Red (91%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1565, 0.3219, 0.3489 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 82.1565, 0.3219, 0.3489 by changing the saturation by 10% instead.

82.1565, 0.3219,
0.3489

82.1565, 0.3219,
0.3489

502.1710, 0.3178,
0.3398

61.4945, 0.3228,
0.3510

136.3934, 0.3205,
0.3458

44.6244, 0.3239,
0.3535

170.7372, 0.3199,
0.3445

31.1617, 0.3253,
0.3567

210.4104, 0.3195,
0.3435

20.7220, 0.3271,
0.3608

255.7974, 0.3190,
0.3426

12.9209, 0.3295,
0.3663

307.2825, 0.3187,
0.3418

7.3741, 0.3327,
0.3743

365.2502, 0.3183,

3.6972, 0.3376,

0.3410

0.3864

430.0850, 0.3180,
0.3404

■ 1.5056, 0.3454,
0.4074

■ 0.2927, 0.3611,
0.6389

■ 82.1565, 0.3219,
0.3489

■ 82.1565, 0.3219,
0.3489

■ 80.1961, 0.3335,
0.3748

■ 84.3233, 0.3105,
0.3243

■ 78.4238, 0.3449,
0.4015

■ 86.0851, 0.3051,
0.3102

■ 76.8351, 0.3558,
0.4283

■ 86.9788, 0.3083,
0.3104

■ 75.4211, 0.3655,
0.4540

■ 87.8967, 0.3116,
0.3106

■ 74.1722, 0.3736,
0.4778

■ 88.4744, 0.3136,
0.3107

■ 73.0779, 0.3796,
0.4983

■ 72.1260, 0.3830,
0.5148

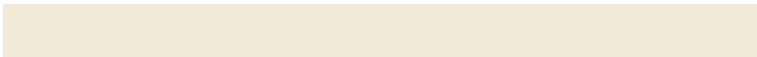
■ 71.3025, 0.3839,
0.5265

■ 70.5876, 0.3823,
0.5338

Harmonies

Analogous

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



82.1565, 0.3310, 0.3474



82.1565, 0.3219, 0.3489



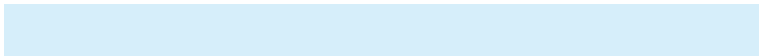
82.1565, 0.3105, 0.3448

Triad

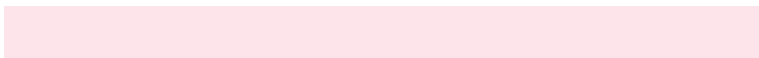
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1565, 0.3219, 0.3489



82.1565, 0.2908, 0.3164



82.1565, 0.3257, 0.3218

Complementary

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



82.1565, 0.3219, 0.3489



71.0662, 0.3031, 0.3086

Split Complementary

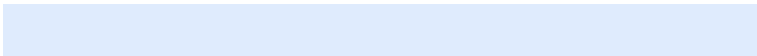
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1565, 0.3147, 0.3139



82.1565, 0.3219, 0.3489



82.1565, 0.2946, 0.3107

Square

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



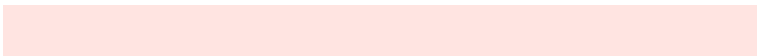
82.1565, 0.3219, 0.3489



82.1565, 0.2926, 0.3258



82.1565, 0.3033, 0.3099



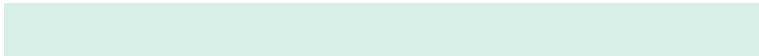
82.1565, 0.3332, 0.3317

Rectangle

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



82.1565, 0.3219, 0.3489



82.1565, 0.3031, 0.3395



82.1565, 0.3033, 0.3099



82.1565, 0.3222, 0.3189

Sweetspot

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



82.1601, 0.3219, 0.3489



99.4722, 0.3150, 0.3339



74.4589, 0.3262, 0.3330



21.2967, 0.3149, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

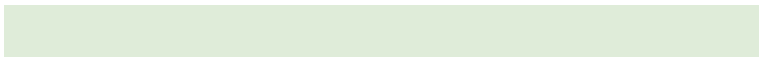
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1601, 0.3219, 0.3489



97.4581, 0.3242, 0.3540



80.6473, 0.3156, 0.3493



17.4571, 0.3235, 0.3525



38.8917, 0.3825, 0.5345



3.0940, 0.3878, 0.5302

Inverse Universe

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



71.0662, 0.3031, 0.3086



81.1782, 0.3005, 0.3033



72.5642, 0.3096, 0.3091



14.7022, 0.3013, 0.3049



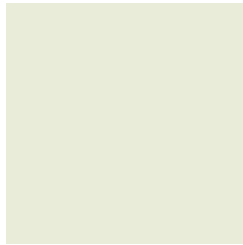
3.7547, 0.1609, 0.0660



0.3354, 0.1737, 0.0731

Previews

White Background



This preview shows how the Yxy color 82.1565, 0.3219, 0.3489 looks on a white background.

Color Contrast Check

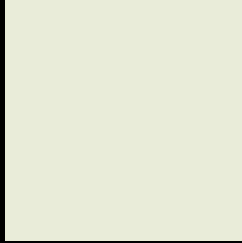
Large Text (above 18pt) WCAG AA × Fail

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 82.1565, 0.3219, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

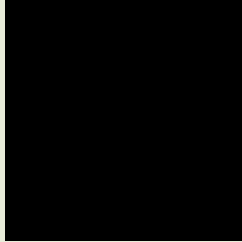
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

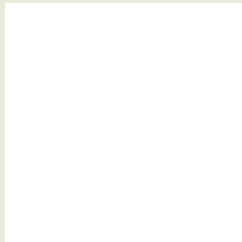
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1565, 0.3219, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 82.1565, 0.3219, 0.3489.

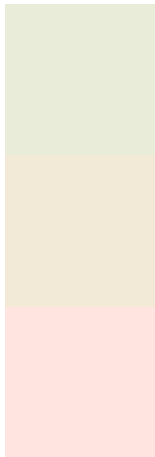


This preview shows how white text looks on a background with the Yxy color 82.1565, 0.3219, 0.3489.

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

82.1565, 0.3219, 0.3489

Protanopia

82.0614, 0.3305, 0.3476

Deuteranopia

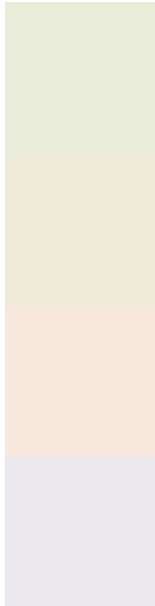
82.0745, 0.3350, 0.3341



Tritanopia

81.9959, 0.3055, 0.3108

Trichromacy



Original Color

82.1565, 0.3219, 0.3489

Protanomaly

81.9806, 0.3269, 0.3477

Deuteranomaly

82.1464, 0.3303, 0.3392

Tritanomaly

82.0544, 0.3116, 0.3249

Monochromacy



Original Color

82.1565, 0.3219, 0.3489

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7153, 0.3164, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1565, 0.3219, 0.3489 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(232, 236, 217)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 217)  
}
```

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(232, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 217) }
```

Border

The CSS property to change the border of an element to Yxy 82.1565, 0.3219, 0.3489 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(232, 236, 217) }
```

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

```
.border{ border-color:rgb(232, 236, 217) }
```

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

Here you see how a box with a 4 pixel rgb(232, 236, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 217);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1565, 0.3219, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 217) }
```

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

```
.background{ background-color: rgb(232,  
236, 217) }
```

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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