

Converting Colors

$Yxy(82.7233, 0.3217, 0.3511)$

Have a look what the booklet for
Yxy(82.7233, 0.3217, 0.3511)
contains.

Yxy(82.5152, 0.3218, 0.3510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.5152, 0.3218, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	E7EDD8
RGB	231, 237, 216
RGB Percent	91%, 93%, 85%
CMY	0.0939, 0.0706, 0.1528
CMYK	0.02, 0.00, 0.09, 0.07
HSL	77°, 37%, 89%
HSV	77°, 9%, 93%
XYZ	75.6507, 82.5152, 76.9202
YIQ	232.8120, 3.1650, -7.8030

Conversions

Conversions Part 2

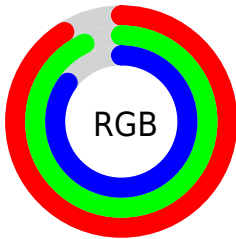
Format	Color
R _{YB}	216, 237, 222
Decimal	15199704
CIE Lab	92.80, -5.60, 9.46
CIE LCh	93, 10.999, 120.624
Yxy	82.5152, 0.3218, 0.3510
Android (android.graphics.Color)	4293389784 (0xFFE7EDD8)
YUV	232.8120, -8.2883, -1.5891
Hunter-Lab	90.8379, -10.3097, 13.3806

Details

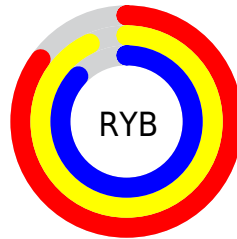
The Yxy color **82.5152, 0.3218, 0.3510** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.7586, 0.3031, 0.3066**, and the grayscale version is **81.4080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7349, 0.3236, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **80.2863, 0.3322, 0.3773**, and if you desaturate by 10%, it is **84.9707, 0.3115, 0.3262**.

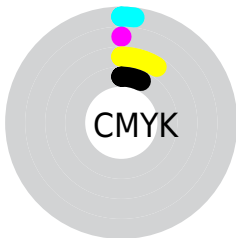
Distribution



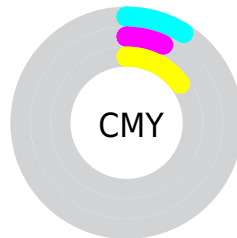
- Red (91%)
- Green (93%)
- Blue (85%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5152, 0.3218, 0.3510 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 82.5152, 0.3218, 0.3510 by changing the saturation by 10% instead.

82.5152, 0.3218,
0.3510

82.5152, 0.3218,
0.3510

503.3694, 0.3177,
0.3409

61.7903, 0.3227,
0.3533

136.8963, 0.3204,
0.3475

44.8633, 0.3238,
0.3561

171.3212, 0.3199,
0.3462

31.3497, 0.3251,
0.3596

211.0816, 0.3194,
0.3450

20.8653, 0.3269,
0.3642

256.5618, 0.3190,
0.3440

13.0256, 0.3292,
0.3703

308.1464, 0.3186,
0.3431

7.4462, 0.3323,
0.3791

366.2195, 0.3183,

3.7427, 0.3369,

0.3423

431.1657, 0.3180,
0.3416

0.3926

■ 1.5307, 0.3443,
0.4161

■ 0.3102, 0.3375,
0.6625

■ 82.5152, 0.3218,
0.3510

■ 82.5152, 0.3218,
0.3510

■ 80.2863, 0.3322,
0.3773

■ 84.9707, 0.3115,
0.3262

■ 78.2652, 0.3423,
0.4046

■ 87.0954, 0.3066,
0.3113

■ 76.4470, 0.3518,
0.4321

■ 88.3183, 0.3110,
0.3115

■ 74.8225, 0.3601,
0.4589

■ 89.0405, 0.3135,
0.3117

■ 73.3816, 0.3668,
0.4838

■ 72.1131, 0.3713,
0.5055

■ 71.0046, 0.3733,
0.5231

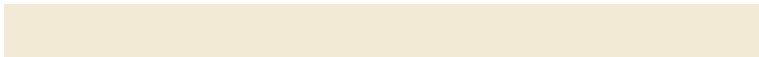
■ 70.0409, 0.3727,
0.5359

■ 69.2003, 0.3698,
0.5440

Harmonies

Analogous

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



82.5152, 0.3323, 0.3499



82.5152, 0.3218, 0.3510



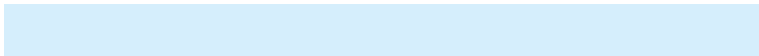
82.5152, 0.3090, 0.3459

Triad

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



82.5152, 0.3218, 0.3510



82.5152, 0.2885, 0.3142



82.5152, 0.3281, 0.3220

Complementary

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



82.5152, 0.3218, 0.3510



70.7586, 0.3031, 0.3066

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.



82.5152, 0.3161, 0.3129



82.5152, 0.3218, 0.3510



82.5152, 0.2933, 0.3084

Square

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



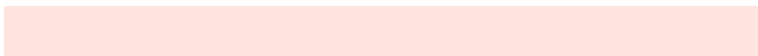
82.5152, 0.3218, 0.3510



82.5152, 0.2900, 0.3243



82.5152, 0.3033, 0.3080



82.5152, 0.3360, 0.3330

Rectangle

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



82.5152, 0.3218, 0.3510



82.5152, 0.3010, 0.3397



82.5152, 0.3033, 0.3080



82.5152, 0.3244, 0.3186

Sweetspot

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



82.5188, 0.3218, 0.3510



99.1093, 0.3158, 0.3363



74.9987, 0.3275, 0.3349



21.1634, 0.3166, 0.3383



0.0000, 0.0000, 0.0000



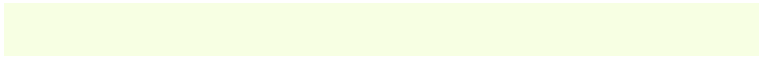
21.4041, 0.3127, 0.3290

Same Dimension

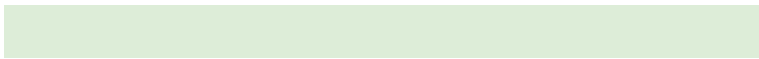
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5188, 0.3218, 0.3510



96.8507, 0.3241, 0.3567



80.8783, 0.3149, 0.3515



17.4007, 0.3224, 0.3526



37.8048, 0.3703, 0.5442



3.0167, 0.3773, 0.5386

Inverse Universe

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



70.7586, 0.3031, 0.3066



79.7721, 0.3005, 0.3007



72.4090, 0.3102, 0.3071



14.7550, 0.3024, 0.3049



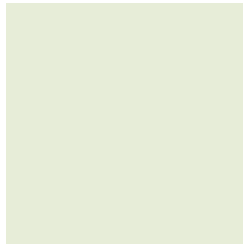
4.0464, 0.1682, 0.0700



0.3648, 0.1826, 0.0780

Previews

White Background



This preview shows how the Yxy color 82.5152, 0.3218, 0.3510 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 82.5152, 0.3218, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

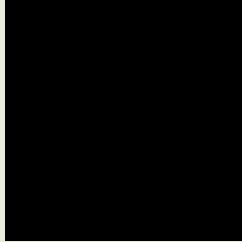
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

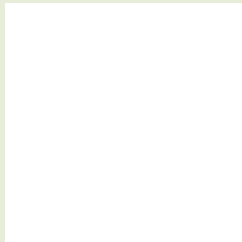
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5152, 0.3218, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 82.5152, 0.3218, 0.3510.

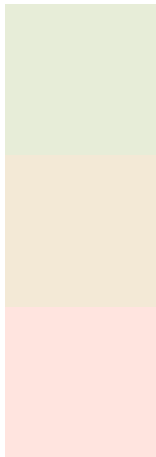


This preview shows how white text looks on a background with the Yxy color 82.5152, 0.3218, 0.3510.

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

82.5152, 0.3218, 0.3510

Protanopia

82.1876, 0.3318, 0.3486

Deuteranopia

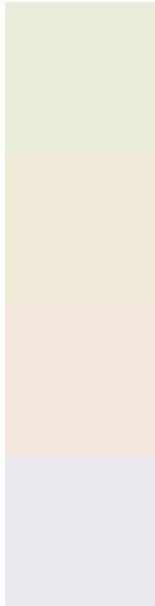
82.0745, 0.3350, 0.3341



Tritanopia

82.4482, 0.3043, 0.3108

Trichromacy



Original Color

82.5152, 0.3218, 0.3510

Protanomaly

82.1027, 0.3282, 0.3487

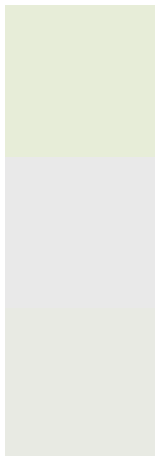
Deuteranomaly

81.9120, 0.3302, 0.3402

Tritanomaly

82.5111, 0.3102, 0.3249

Monochromacy



Original Color

82.5152, 0.3218, 0.3510

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5475, 0.3157, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5152, 0.3218, 0.3510 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(231, 237, 216)` looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 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(231, 237, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 216) }
```

Border

The CSS property to change the border of an element to Yxy 82.5152, 0.3218, 0.3510 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(231, 237, 216) }
```

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

```
.border{ border-color:rgb(231, 237, 216) }
```

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

Here you see how a box with a 4 pixel rgb(231, 237, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 216);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5152, 0.3218, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 216) }
```

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

```
.background{ background-color: rgb(231,  
237, 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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