

Converting Colors

$Yxy(72.2778, 0.3142, 0.3511)$

Have a look what the booklet for
Yxy(72.2778, 0.3142, 0.3511)
contains.

Yxy(72.5506, 0.3145, 0.3514)	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(72.5506, 0.3145, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	D2E2CE
RGB	210, 226, 206
RGB Percent	82%, 89%, 81%
CMY	0.1762, 0.1138, 0.1921
CMYK	0.07, 0.00, 0.09, 0.11
HSL	108°, 26%, 85%
HSV	108°, 9%, 89%
XYZ	64.9322, 72.5506, 68.9788
YIQ	218.9360, -3.1160, -9.6120

Conversions

Conversions Part 2

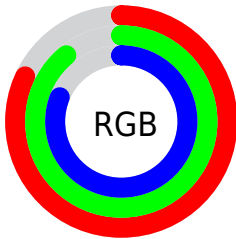
Format	Color
R _Y B	206, 226, 222
Decimal	13820622
CIE Lab	88.23, -8.92, 7.94
CIE LCh	88, 11.941, 138.313
Yxy	72.5506, 0.3145, 0.3514
Android (android.graphics.Color)	4292010702 (0xFFD2E2CE)
YUV	218.9360, -6.3774, -7.8369
Hunter-Lab	85.1766, -12.9843, 11.6087

Details

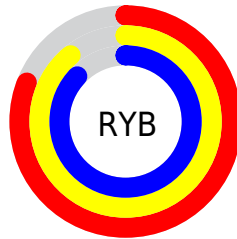
The Yxy color **72.5506, 0.3145, 0.3514** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1536, 0.3107, 0.3072**, and the grayscale version is **70.8484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3614, 0.3141, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **69.0372, 0.3163, 0.3795**, and if you desaturate by 10%, it is **76.5252, 0.3125, 0.3262**.

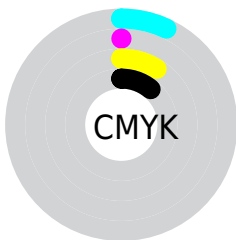
Distribution



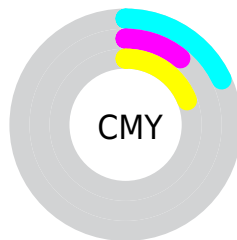
- Red (82%)
- Green (89%)
- Blue (81%)



- Red (81%)
- Yellow (89%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5506, 0.3145, 0.3514 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 72.5506, 0.3145, 0.3514 by changing the saturation by 10% instead.

■ 72.5506, 0.3145,
0.3514

■ 72.5506, 0.3145,
0.3514

469.4558, 0.3138,
0.3409

■ 53.6086, 0.3147,
0.3538

122.8390, 0.3143,
0.3477

■ 38.2888, 0.3148,
0.3569

154.9542, 0.3142,
0.3463

■ 26.2069, 0.3150,
0.3608

192.2292, 0.3141,
0.3451

■ 16.9785, 0.3153,
0.3660

235.0485, 0.3140,
0.3440

■ 10.2192, 0.3156,
0.3731

283.7964, 0.3139,
0.3431

■ 5.5445, 0.3159,
0.3837

338.8573, 0.3139,

■ 2.5702, 0.3161,

0.3423

0.4009

400.6156, 0.3138,
0.3415

0.9117, 0.3247,
0.4564

0.0000, 0.0000,
0.0000

72.5506, 0.3145,
0.3514

72.5506, 0.3145,
0.3514

69.0372, 0.3163,
0.3795

76.5252, 0.3125,
0.3262

65.9591, 0.3179,
0.4104

80.9674, 0.3104,
0.3040

63.3021, 0.3189,
0.4434

82.8640, 0.3140,
0.3009

61.0473, 0.3191,
0.4773

■ 59.1747, 0.3185,
0.5104

■ 57.6623, 0.3169,
0.5405

■ 56.4857, 0.3142,
0.5654

■ 55.6173, 0.3107,
0.5833

■ 55.0209, 0.3069,
0.5939

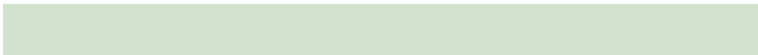
Harmonies

Analogous

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



72.5506, 0.3284, 0.3543



72.5506, 0.3145, 0.3514



72.5506, 0.3004, 0.3420

Triad

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



72.5506, 0.3145, 0.3514



72.5506, 0.2877, 0.3076



72.5506, 0.3362, 0.3283

Complementary

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



72.5506, 0.3145, 0.3514



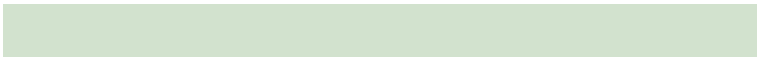
65.1536, 0.3107, 0.3072

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.



72.5506, 0.3249, 0.3165



72.5506, 0.3145, 0.3514



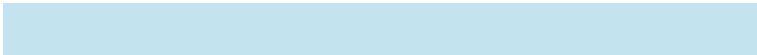
72.5506, 0.2969, 0.3046

Square

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



72.5506, 0.3145, 0.3514



72.5506, 0.2851, 0.3165



72.5506, 0.3104, 0.3079



72.5506, 0.3412, 0.3406

Rectangle

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



72.5506, 0.3145, 0.3514



72.5506, 0.2927, 0.3336



72.5506, 0.3104, 0.3079



72.5506, 0.3330, 0.3241

Sweetspot

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



72.5537, 0.3145, 0.3514



98.3799, 0.3133, 0.3364



72.6829, 0.3263, 0.3461



20.9667, 0.3135, 0.3384



0.0000, 0.0000, 0.0000



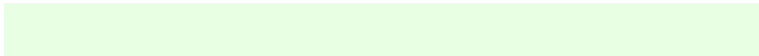
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5537, 0.3145, 0.3514



94.3302, 0.3149, 0.3574



72.2439, 0.3081, 0.3451



15.4710, 0.3146, 0.3530



31.4032, 0.3073, 0.5942



2.2146, 0.3174, 0.5862

Inverse Universe

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



65.1536, 0.3107, 0.3072



82.3234, 0.3101, 0.3015



65.4978, 0.3177, 0.3134



13.7873, 0.3105, 0.3057



8.7180, 0.2700, 0.1261



0.6404, 0.2783, 0.1307

Previews

White Background



This preview shows how the Yxy color 72.5506, 0.3145, 0.3514 looks on a white background.

Color Contrast Check

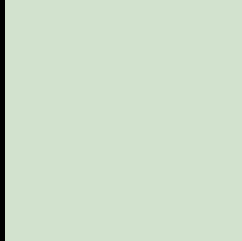
Large Text (above 18pt) WCAG AA × Fail

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 72.5506, 0.3145, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

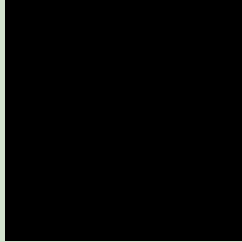
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

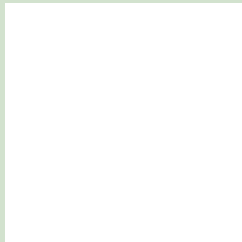
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5506, 0.3145, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 72.5506, 0.3145, 0.3514.

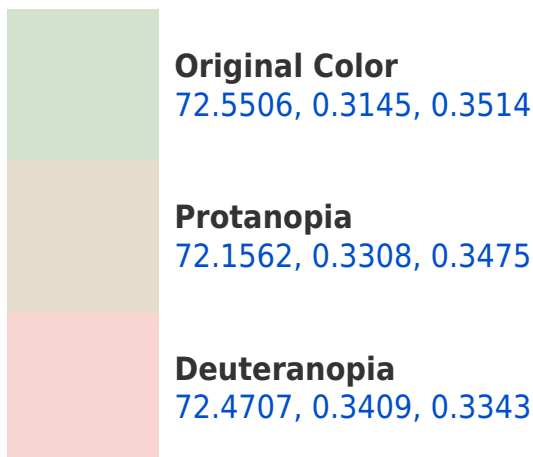


This preview shows how white text looks on a background with the Yxy color 72.5506, 0.3145, 0.3514.

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

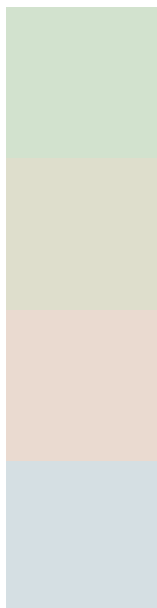




Tritanopia

72.3920, 0.2971, 0.3096

Trichromacy



Original Color

72.5506, 0.3145, 0.3514

Protanomaly

72.1318, 0.3247, 0.3488

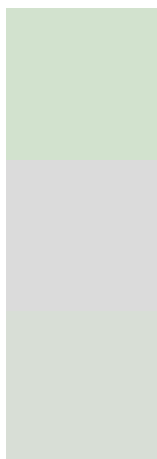
Deuteranomaly

72.1893, 0.3313, 0.3398

Tritanomaly

72.4675, 0.3032, 0.3246

Monochromacy



Original Color

72.5506, 0.3145, 0.3514

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6965, 0.3137, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5506, 0.3145, 0.3514 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(210, 226, 206)` looks like.

```
.text, #text, p{  
    color:rgb(210, 226, 206)  
}
```

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(210, 226, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 226, 206) }
```

Border

The CSS property to change the border of an element to Yxy 72.5506, 0.3145, 0.3514 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(210, 226, 206) }
```

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

```
.border{ border-color:rgb(210, 226, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 226, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 226, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 226, 206);  
box-shadow:4px 4px 4px 4px rgb(210, 226,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5506, 0.3145, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 226, 206) }
```

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

```
.background{ background-color: rgb(210,  
226, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor