

Converting Colors

$Yxy(76.6651, 0.3205, 0.3626)$

Have a look what the booklet for
Yxy(76.6651, 0.3205, 0.3626)
contains.

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Color

Yxy(76.5764, 0.3207, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	D8E8CA
RGB	216, 232, 202
RGB Percent	85%, 91%, 79%
CMY	0.1532, 0.0901, 0.2079
CMYK	0.07, 0.00, 0.13, 0.09
HSL	92°, 40%, 85%
HSV	92°, 13%, 91%
XYZ	67.8212, 76.5764, 67.0810
YIQ	223.7960, 0.0940, -12.7220

Conversions

Conversions Part 2

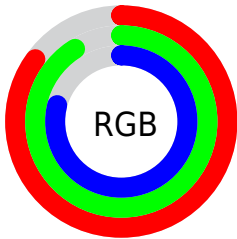
Format	Color
R_{YB}	202, 232, 218
Decimal	14215370
CIE _{Lab}	90.13, -10.64, 12.80
CIE _{LCh}	90, 16.643, 129.749
Yxy	76.5764, 0.3207, 0.3621
Android (android.graphics.Color)	4292405450 (0xFFD8E8CA)
YUV	223.7960, -10.7454, -6.8371
Hunter-Lab	87.5079, -14.7962, 15.8056

Details

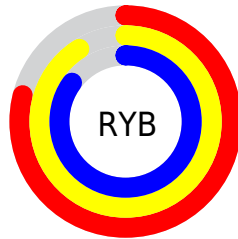
The Yxy color **76.5764, 0.3207, 0.3621** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.9867, 0.3038, 0.2961**, and the grayscale version is **74.4609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7659, 0.3223, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **73.7400, 0.3267, 0.3902**, and if you desaturate by 10%, it is **79.7279, 0.3145, 0.3362**.

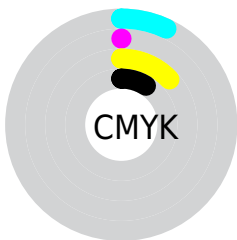
Distribution



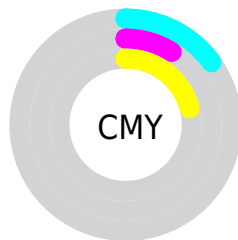
- Red (85%)
- Green (91%)
- Blue (79%)



- Red (79%)
- Yellow (91%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5764, 0.3207, 0.3621 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 76.5764, 0.3207, 0.3621 by changing the saturation by 10% instead.

■ 76.5764, 0.3207,
0.3621

■ 76.5764, 0.3207,
0.3621

483.3185, 0.3172,
0.3466

■ 56.9053, 0.3215,
0.3657

128.5414, 0.3195,
0.3567

■ 40.9292, 0.3224,
0.3701

161.6040, 0.3190,
0.3546

■ 28.2638, 0.3235,
0.3757

199.8992, 0.3186,
0.3528

■ 18.5246, 0.3249,
0.3832

243.8115, 0.3183,
0.3513

■ 11.3273, 0.3267,
0.3934

293.7251, 0.3180,
0.3499

■ 6.2874, 0.3290,
0.4083

350.0246, 0.3177,

■ 3.0206, 0.3320,

0.3487

0.4320

413.0943, 0.3174,
0.3476

■ 1.1425, 0.3543,
0.5024

■ 0.0140, 0.0000,
1.0000

■ 76.5764, 0.3207,
0.3621

■ 76.5764, 0.3207,
0.3621

■ 73.7400, 0.3267,
0.3902

■ 79.7279, 0.3145,
0.3362

■ 71.1983, 0.3322,
0.4199

■ 83.1947, 0.3084,
0.3126

■ 68.9435, 0.3369,
0.4504

■ 85.8732, 0.3126,
0.3067

■ 66.9636, 0.3403,
0.4807

■ 86.2066, 0.3138,
0.3068

■ 65.2456, 0.3420,
0.5091

■ 63.7752, 0.3417,
0.5341

■ 62.5364, 0.3392,
0.5542

■ 61.5104, 0.3348,
0.5685

■ 60.8955, 0.3309,
0.5755

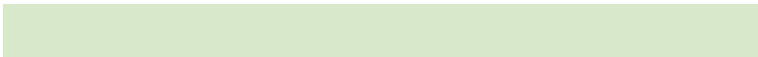
Harmonies

Analogous

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



76.5764, 0.3387, 0.3630



76.5764, 0.3207, 0.3621



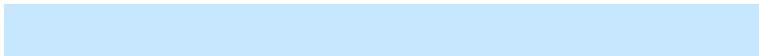
76.5764, 0.3010, 0.3514

Triad

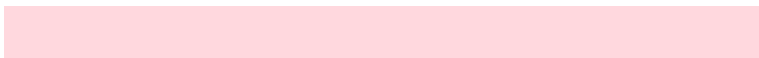
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5764, 0.3207, 0.3621



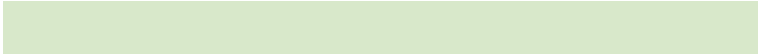
76.5764, 0.2767, 0.3024



76.5764, 0.3413, 0.3230

Complementary

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



76.5764, 0.3207, 0.3621



62.9867, 0.3038, 0.2961

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.



76.5764, 0.3238, 0.3081



76.5764, 0.3207, 0.3621



76.5764, 0.2867, 0.2961

Square

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



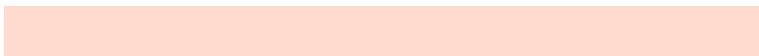
76.5764, 0.3207, 0.3621



76.5764, 0.2760, 0.3162



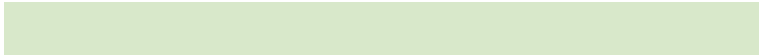
76.5764, 0.3038, 0.2983



76.5764, 0.3509, 0.3399

Rectangle

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



76.5764, 0.3207, 0.3621



76.5764, 0.2895, 0.3404



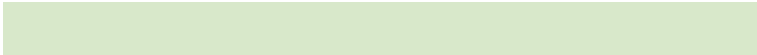
76.5764, 0.3038, 0.2983



76.5764, 0.3361, 0.3176

Sweetspot

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



76.5797, 0.3207, 0.3621



98.3384, 0.3152, 0.3389



71.5729, 0.3340, 0.3464



20.9831, 0.3157, 0.3408



0.0000, 0.0000, 0.0000



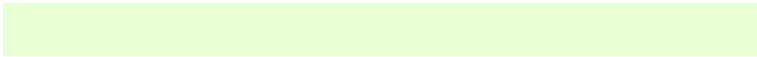
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5797, 0.3207, 0.3621



93.7320, 0.3226, 0.3707



74.5947, 0.3105, 0.3619



16.4153, 0.3186, 0.3528



33.8723, 0.3320, 0.5746



2.5578, 0.3433, 0.5656

Inverse Universe

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



62.9867, 0.3038, 0.2961



73.2581, 0.3014, 0.2876



65.1708, 0.3149, 0.2982



14.2655, 0.3064, 0.3053



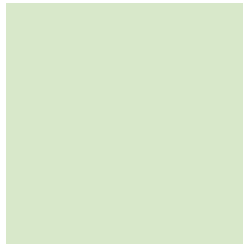
5.7024, 0.2097, 0.0929



0.4765, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 76.5764, 0.3207, 0.3621 looks on a white background.

Color Contrast Check

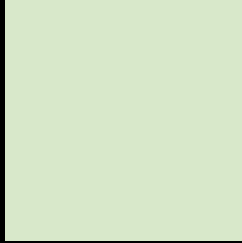
Large Text (above 18pt) WCAG AA × Fail

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 76.5764, 0.3207, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

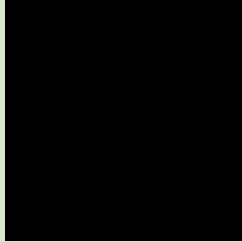
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

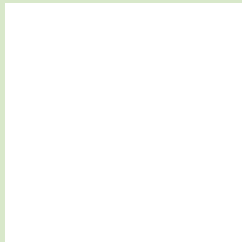
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5764, 0.3207, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 76.5764, 0.3207, 0.3621.

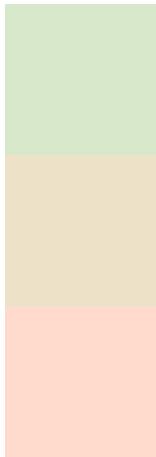


This preview shows how white text looks on a background with the Yxy color 76.5764, 0.3207, 0.3621.

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

76.5764, 0.3207, 0.3621

Protanopia

76.5208, 0.3386, 0.3577

Deuteranopia

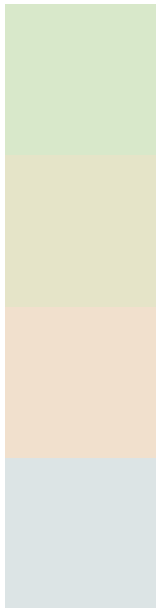
76.3793, 0.3483, 0.3423



Tritanopia

76.4540, 0.2987, 0.3101

Trichromacy



Original Color

76.5764, 0.3207, 0.3621

Protanomaly

76.3149, 0.3317, 0.3592

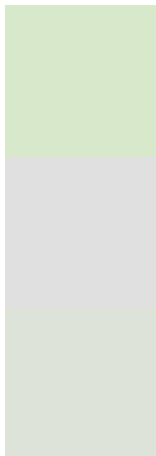
Deuteranomaly

76.4199, 0.3377, 0.3490

Tritanomaly

76.3596, 0.3066, 0.3279

Monochromacy



Original Color

76.5764, 0.3207, 0.3621

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.2682, 0.3156, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5764, 0.3207, 0.3621 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(216, 232, 202)` looks like.

```
.text, #text, p{  
    color:rgb(216, 232, 202)  
}
```

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(216, 232, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 202) }
```

Border

The CSS property to change the border of an element to Yxy 76.5764, 0.3207, 0.3621 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(216, 232, 202) }
```

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

```
.border{ border-color:rgb(216, 232, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 232, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 202);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5764, 0.3207, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 202) }
```

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

```
.background{ background-color: rgb(216,  
232, 202) }
```

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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