

Converting Colors

$Yxy(76.2195, 0.3192, 0.3605)$

Have a look what the booklet for
Yxy(76.2195, 0.3192, 0.3605)
contains.

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Color

Yxy(76.4721, 0.3194, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	D7E8CB
RGB	215, 232, 203
RGB Percent	84%, 91%, 80%
CMY	0.1569, 0.0902, 0.2039
CMYK	0.07, 0.00, 0.12, 0.09
HSL	95°, 39%, 85%
HSV	95°, 12%, 91%
XYZ	67.6598, 76.4721, 67.7022
YIQ	223.6110, -0.8230, -12.6230

Conversions

Conversions Part 2

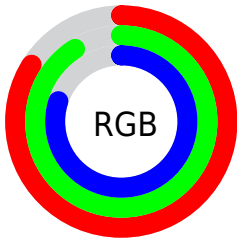
Format	Color
R_{YB}	203, 232, 220
Decimal	14149835
CIE _{Lab}	90.08, -10.79, 12.19
CIE _{LCh}	90, 16.278, 131.512
Y _{xy}	76.4721, 0.3194, 0.3610
Android (android.graphics.Color)	4292339915 (0xFFD7E8CB)
YUV	223.6110, -10.1612, -7.5518
Hunter-Lab	87.4483, -14.9270, 15.3117

Details

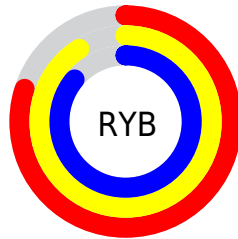
The Yxy color $76.4721, 0.3194, 0.3610$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.7651, 0.3052, 0.2974$, and the grayscale version is $74.3251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.6942, 0.3206, 0.3681$ is the 20% darker color. If you saturate the color by 10%, you get $73.4746, 0.3245, 0.3892$, and if you desaturate by 10%, it is $79.8133, 0.3141, 0.3351$.

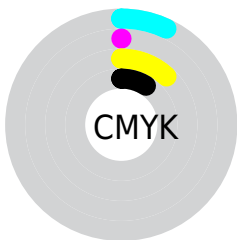
Distribution



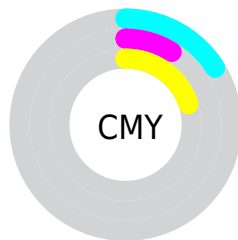
- Red (84%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)




- Cyan (16%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4721, 0.3194, 0.3610 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 76.4721, 0.3194, 0.3610 by changing the saturation by 10% instead.

 76.4721, 0.3194,
0.3610

 76.4721, 0.3194,
0.3610


482.9623, 0.3165,
0.3460

 56.8197, 0.3200,
0.3645


128.3940, 0.3184,
0.3558

 40.8605, 0.3208,
0.3687


161.4324, 0.3180,
0.3538

 28.2101, 0.3217,
0.3742

199.7014, 0.3177,
0.3520

 18.4841, 0.3229,
0.3814

243.5857, 0.3174,
0.3505

 11.2981, 0.3243,
0.3913

293.4695, 0.3171,
0.3492

 6.2677, 0.3262,
0.4058

349.7373, 0.3169,

 3.0085, 0.3285,

0.3480

0.4288

412.7734, 0.3167,
0.3470

1.1362, 0.3472,
0.4949

0.0086, 0.0000,
1.0000

76.4721, 0.3194,
0.3610

76.4721, 0.3194,
0.3610

73.4746, 0.3245,
0.3892

79.8133, 0.3141,
0.3351

70.7993, 0.3292,
0.4193

83.4991, 0.3087,
0.3116

68.4375, 0.3331,
0.4505

86.1969, 0.3138,
0.3068

66.3760, 0.3358,
0.4815

■ 64.6007, 0.3369,
0.5109

■ 63.0962, 0.3361,
0.5369

■ 61.8451, 0.3334,
0.5579

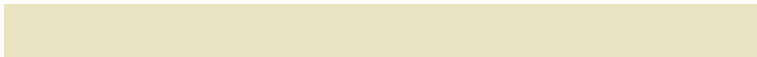
■ 60.8274, 0.3288,
0.5728

■ 60.1960, 0.3246,
0.5804

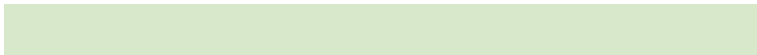
Harmonies

Analogous

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



76.4721, 0.3373, 0.3625



76.4721, 0.3194, 0.3610



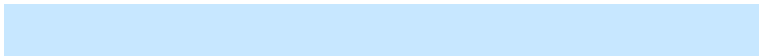
76.4721, 0.3001, 0.3501

Triad

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



76.4721, 0.3194, 0.3610



76.4721, 0.2778, 0.3024



76.4721, 0.3414, 0.3241

Complementary

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



76.4721, 0.3194, 0.3610



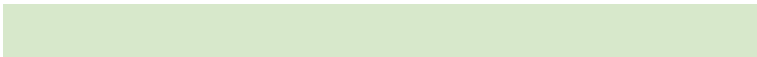
63.7651, 0.3052, 0.2974

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.



76.4721, 0.3247, 0.3092



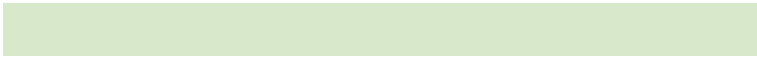
76.4721, 0.3194, 0.3610



76.4721, 0.2881, 0.2967

Square

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



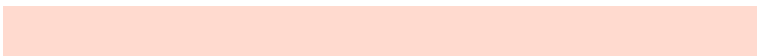
76.4721, 0.3194, 0.3610



76.4721, 0.2765, 0.3155



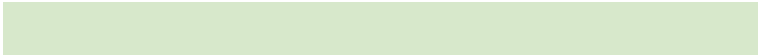
76.4721, 0.3051, 0.2993



76.4721, 0.3503, 0.3406

Rectangle

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



76.4721, 0.3194, 0.3610



76.4721, 0.2891, 0.3391



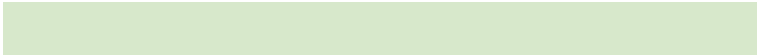
76.4721, 0.3051, 0.2993



76.4721, 0.3365, 0.3188

Sweetspot

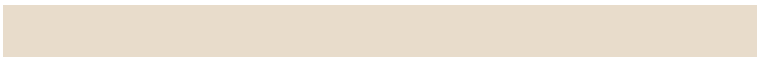
The Sweet Spot groups the original color and five complimentary colors.



76.4754, 0.3194, 0.3610



98.2427, 0.3149, 0.3389



72.6172, 0.3330, 0.3473



20.9589, 0.3153, 0.3408



0.0000, 0.0000, 0.0000



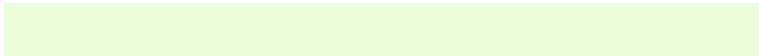
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4754, 0.3194, 0.3610



93.7653, 0.3208, 0.3681



74.8440, 0.3097, 0.3590



16.3785, 0.3178, 0.3529



33.4861, 0.3258, 0.5795



2.5279, 0.3373, 0.5704

Inverse Universe

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



63.7651, 0.3052, 0.2974



75.1019, 0.3035, 0.2905



65.5657, 0.3159, 0.3007



14.3029, 0.3072, 0.3054



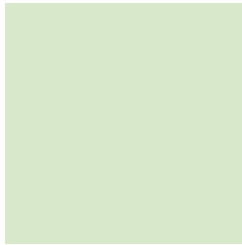
6.2226, 0.2205, 0.0988



0.5140, 0.2348, 0.1067

Previews

White Background



This preview shows how the Yxy color 76.4721, 0.3194, 0.3610 looks on a white background.

Color Contrast Check

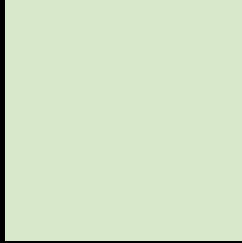
Large Text (above 18pt) WCAG AA × Fail

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 76.4721, 0.3194, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

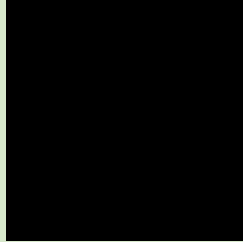
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

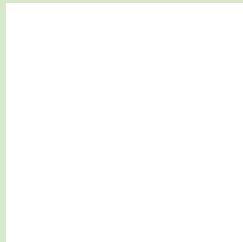
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4721, 0.3194, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 76.4721, 0.3194, 0.3610.

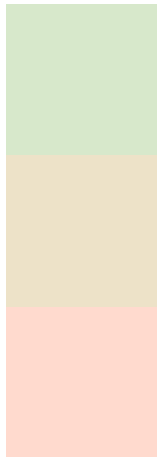


This preview shows how white text looks on a background with the Yxy color 76.4721, 0.3194, 0.3610.

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

76.4721, 0.3194, 0.3610

Protanopia

76.5674, 0.3379, 0.3566

Deuteranopia

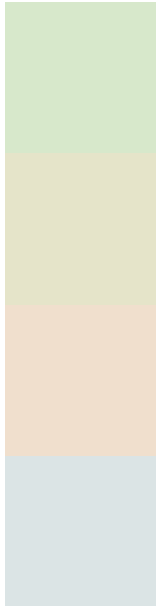
75.8590, 0.3485, 0.3413



Tritanopia

76.2965, 0.2980, 0.3100

Trichromacy



Original Color

76.4721, 0.3194, 0.3610

Protanomaly

76.3619, 0.3311, 0.3581

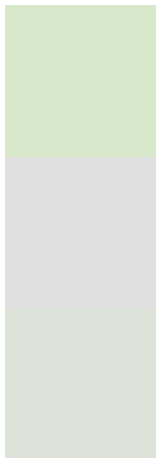
Deuteranomaly

75.7084, 0.3371, 0.3480

Tritanomaly

76.2040, 0.3059, 0.3279

Monochromacy



Original Color

76.4721, 0.3194, 0.3610

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 76.4721, 0.3194, 0.3610 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(215, 232, 203)` looks like.

```
.text, #text, p{  
    color:rgb(215, 232, 203)  
}
```

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(215, 232, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 232, 203) }
```

Border

The CSS property to change the border of an element to Yxy 76.4721, 0.3194, 0.3610 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(215, 232, 203) }
```

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

```
.border{ border-color:rgb(215, 232, 203) }
```

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

Here you see how a box with a 4 pixel rgb(215, 232, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 232, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 232, 203);  
box-shadow:4px 4px 4px 4px rgb(215, 232,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4721, 0.3194, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 232, 203) }
```

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

```
.background{ background-color: rgb(215,  
232, 203) }
```

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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