

Converting Colors

$Yxy(78.2438, 0.3175, 0.3636)$

Have a look what the booklet for
Yxy(78.2438, 0.3175, 0.3636)
contains.

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Color

Yxy(78.0724, 0.3178, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	D6EBCC
RGB	214, 235, 204
RGB Percent	84%, 92%, 80%
CMY	0.1609, 0.0784, 0.1999
CMYK	0.09, 0.00, 0.13, 0.08
HSL	101°, 44%, 86%
HSV	101°, 13%, 92%
XYZ	68.3322, 78.0724, 68.6117
YIQ	225.1870, -2.5650, -14.0930

Conversions

Conversions Part 2

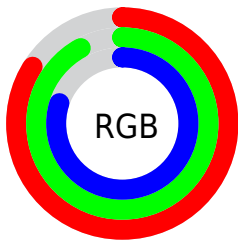
Format	Color
R_{YB}	204, 235, 225
Decimal	14085068
CIE _{Lab}	90.81, -12.48, 12.70
CIE _{LCh}	91, 17.804, 134.516
Yxy	78.0724, 0.3178, 0.3631
Android (android.graphics.Color)	4292275148 (0xFFD6EBCC)
YUV	225.1870, -10.4452, -9.8110
Hunter-Lab	88.3586, -16.5845, 15.8115

Details

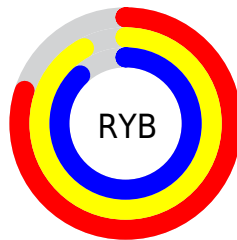
The Yxy color **78.0724, 0.3178, 0.3631** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.2197, 0.3069, 0.2957**, and the grayscale version is **75.5129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8131, 0.3186, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **74.7458, 0.3214, 0.3920**, and if you desaturate by 10%, it is **81.8115, 0.3140, 0.3368**.

Distribution



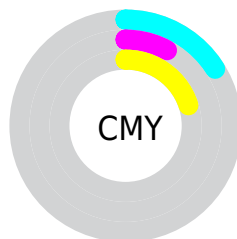
- Red (84%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0724, 0.3178, 0.3631 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 78.0724, 0.3178, 0.3631 by changing the saturation by 10% instead.

■ 78.0724, 0.3178,
0.3631

■ 78.0724, 0.3178,
0.3631

488.4127, 0.3156,
0.3472

■ 58.1335, 0.3182,
0.3668

130.6522, 0.3171,
0.3576

■ 41.9159, 0.3188,
0.3713

164.0618, 0.3168,
0.3554

■ 29.0355, 0.3194,
0.3771

202.7304, 0.3165,
0.3536

■ 19.1077, 0.3202,
0.3847

247.0425, 0.3163,
0.3519

■ 11.7481, 0.3211,
0.3952

297.3823, 0.3161,
0.3505

■ 6.5724, 0.3221,
0.4104

354.1344, 0.3159,

■ 3.1962, 0.3231,

0.3493

0.4346

417.6830, 0.3158,
0.3482

■ 1.2350, 0.3354,
0.4972

■ 0.0900, 0.0000,
1.0000

■ 78.0724, 0.3178,
0.3631

■ 78.0724, 0.3178,
0.3631

■ 74.7458, 0.3214,
0.3920

■ 81.8115, 0.3140,
0.3368

■ 71.8073, 0.3245,
0.4230

■ 85.9666, 0.3101,
0.3132

■ 69.2449, 0.3269,
0.4553

■ 87.9049, 0.3136,
0.3098

■ 67.0424, 0.3282,
0.4876

■ 65.1822, 0.3281,
0.5183

■ 63.6450, 0.3264,
0.5452

■ 62.4092, 0.3231,
0.5667

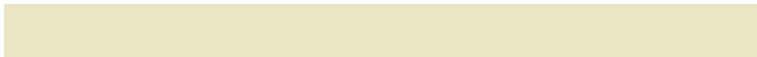
■ 61.4500, 0.3185,
0.5814

■ 60.9333, 0.3150,
0.5881

Harmonies

Analogous

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



78.0724, 0.3376, 0.3658



78.0724, 0.3178, 0.3631



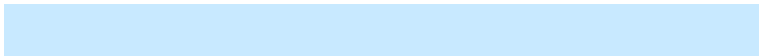
78.0724, 0.2971, 0.3503

Triad

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



78.0724, 0.3178, 0.3631



78.0724, 0.2755, 0.2991



78.0724, 0.3454, 0.3254

Complementary

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



78.0724, 0.3178, 0.3631



65.2197, 0.3069, 0.2957

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.



78.0724, 0.3278, 0.3090



78.0724, 0.3178, 0.3631



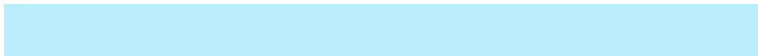
78.0724, 0.2876, 0.2939

Square

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



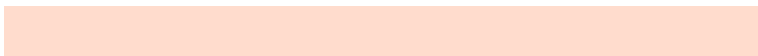
78.0724, 0.3178, 0.3631



78.0724, 0.2732, 0.3125



78.0724, 0.3065, 0.2976



78.0724, 0.3540, 0.3432

Rectangle

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



78.0724, 0.3178, 0.3631



78.0724, 0.2855, 0.3380



78.0724, 0.3065, 0.2976



78.0724, 0.3403, 0.3196

Sweetspot

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



78.0758, 0.3178, 0.3631



98.0693, 0.3143, 0.3389



75.7064, 0.3339, 0.3510



20.9151, 0.3146, 0.3408



0.0000, 0.0000, 0.0000



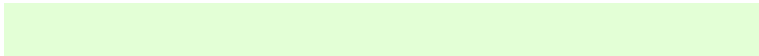
21.4041, 0.3127, 0.3290

Same Dimension

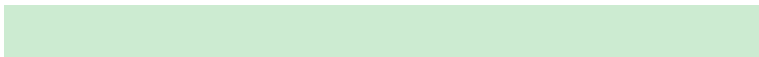
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0758, 0.3178, 0.3631



92.7608, 0.3189, 0.3712



76.8794, 0.3079, 0.3579



17.0964, 0.3164, 0.3530



33.9681, 0.3160, 0.5873



2.7173, 0.3265, 0.5790

Inverse Universe

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



65.2197, 0.3069, 0.2957



74.2786, 0.3054, 0.2881



66.5688, 0.3179, 0.3018



15.0578, 0.3087, 0.3054



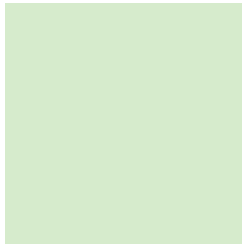
7.5517, 0.2415, 0.1104



0.6443, 0.2527, 0.1166

Previews

White Background



This preview shows how the Yxy color 78.0724, 0.3178, 0.3631 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 78.0724, 0.3178, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

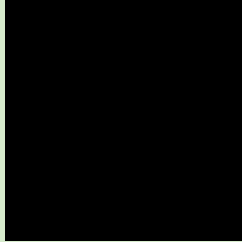
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

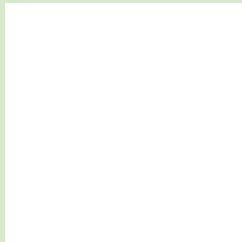
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0724, 0.3178, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 78.0724, 0.3178, 0.3631.

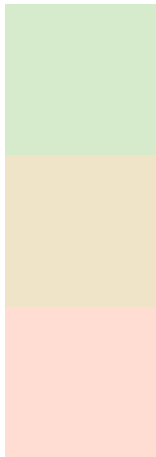


This preview shows how white text looks on a background with the Yxy color 78.0724, 0.3178, 0.3631.

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

78.0724, 0.3178, 0.3631

Protanopia

78.0077, 0.3390, 0.3585

Deuteranopia

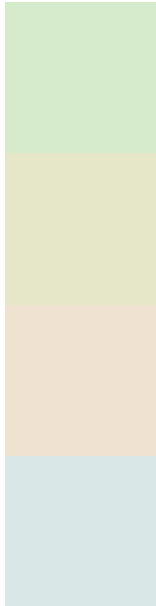
77.6260, 0.3451, 0.3402



Tritanopia

78.1262, 0.2963, 0.3102

Trichromacy



Original Color

78.0724, 0.3178, 0.3631

Protanomaly

78.1919, 0.3314, 0.3611

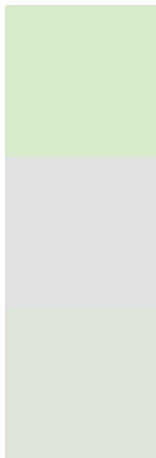
Deuteranomaly

77.4720, 0.3346, 0.3479

Tritanomaly

77.8268, 0.3040, 0.3290

Monochromacy



Original Color

78.0724, 0.3178, 0.3631

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.4205, 0.3149, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0724, 0.3178, 0.3631 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(214, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 235, 204)  
}
```

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(214, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 235, 204) }
```

Border

The CSS property to change the border of an element to Yxy 78.0724, 0.3178, 0.3631 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(214, 235, 204) }
```

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

```
.border{ border-color:rgb(214, 235, 204) }
```

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

Here you see how a box with a 4 pixel rgb(214, 235, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 235,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0724, 0.3178, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 235, 204) }
```

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

```
.background{ background-color: rgb(214,  
235, 204) }
```

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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