

# Converting Colors

XYZ(73.4699, 83.2964, 78.2516)

Have a look what the booklet for  
XYZ(73.4699, 83.2964, 78.2516)  
contains.

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# Color

**XYZ(73.3236, 83.0326,  
78.4920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF1DA
RGB	219, 241, 218
RGB Percent	86%, 95%, 85%
CMY	0.1412, 0.0549, 0.1451
CMYK	0.09, 0.00, 0.10, 0.05
HSL	117°, 45%, 90%
HSV	117°, 10%, 95%
XYZ	73.3236, 83.0326, 78.4920
YIQ	231.8000, -5.7290, -11.8170

# Conversions

## Conversions Part 2

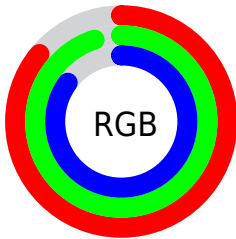
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 241, 240
Decimal	14414298
CIE <sub>Lab</sub>	93.03, -11.38, 8.65
CIE <sub>LCh</sub>	93, 14.296, 142.763
Yxy	83.0326, 0.3122, 0.3536
Android (android.graphics.Color)	4292604378 (0xFFDBF1DA)
YUV	231.8000, -6.8034, -11.2256
Hunter-Lab	91.1222, -15.8298, 12.7136

# Details

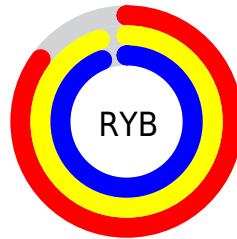
The XYZ color **73.3236, 83.0326, 78.4920** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8870, 75.0212, 93.6515**, and the grayscale version is **76.6064, 80.5959, 87.7690**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2697, 45.2348, 41.3118** is the 20% darker color. If you saturate the color by 10%, you get **63.9349, 78.5332, 62.7695**, and if you desaturate by 10%, it is **84.1360, 88.2177, 96.6783**.

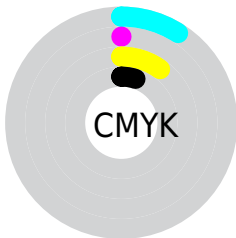
# Distribution



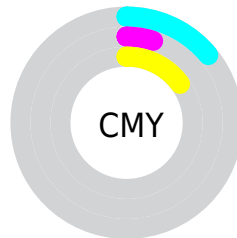
- Red (86%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (14%)
- Magenta (5%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3236, 83.0326, 78.4920 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 XYZ color 73.3236, 83.0326, 78.4920 by changing the saturation by 10% instead.



73.3236, 83.0326,  
78.4920

73.3236, 83.0326,  
78.4920

461.2220,  
505.0952, 509.4082

54.5299, 62.2170,  
57.9594

122.9372,  
137.6211, 133.0356

39.2578, 45.2081,  
41.3615

154.4877,  
172.1629, 167.8837

27.1420, 31.6214,  
28.2798

191.0213,  
212.0488, 208.3407

17.8170, 21.0725,  
18.2958

232.9033,  
257.6633, 254.8252

10.9176, 13.1770,  
10.9910

280.4990,  
309.3908, 307.7556

6.0783, 7.5505,  
5.9467

334.1738,

2.9339, 3.8087,

367.6157, 367.5506

2.7444

394.2930,  
432.7224, 434.6286

■ 1.1189, 1.5671,  
0.9657

■ 0.0408, 0.3353,  
0.0000

■ 73.3236, 83.0326,  
78.4920

■ 73.3236, 83.0326,  
78.4920

■ 63.9349, 78.5332,  
62.7695

■ 84.1360, 88.2177,  
96.6783

■ 55.9041, 74.6808,  
49.3998

■ 90.7469, 91.3938,  
107.4656

■ 49.1705, 71.4488,  
38.2715

■ 43.6659, 68.8048,  
29.2618

■ 39.3161, 66.7134,  
22.2365

■ 36.0389, 65.1355,  
17.0458

■ 33.7410, 64.0265,  
13.5188

■ 32.3133, 63.3348,  
11.4527

■ 31.6079, 62.9910,  
10.5241

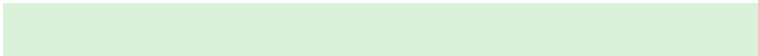
# Harmonies

## Analogous

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



76.1659, 83.0326, 72.6903



73.3236, 83.0326, 78.4920



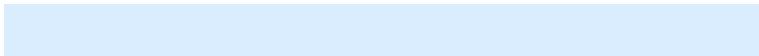
71.9884, 83.0326, 87.8346

# Triad

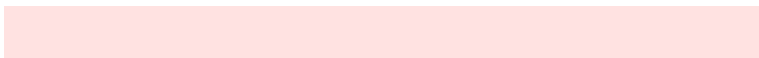
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3236, 83.0326, 78.4920



78.0161, 83.0326, 112.4541



85.7496, 83.0326, 82.6599

# Complementary

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



73.3236, 83.0326, 78.4920



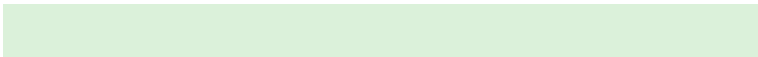
76.8870, 75.0212, 93.6515

# 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.



86.2829, 83.0326, 93.0320



73.3236, 83.0326, 78.4920



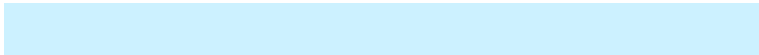
81.7397, 83.0326, 110.7943

# Square

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



73.3236, 83.0326, 78.4920



74.6414, 83.0326, 107.8450



84.7941, 83.0326, 103.4736

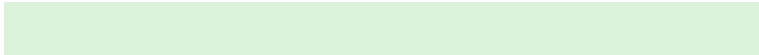


83.3591, 83.0326, 74.9605



# Rectangle

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



73.3236, 83.0326, 78.4920



72.1018, 83.0326, 95.0422



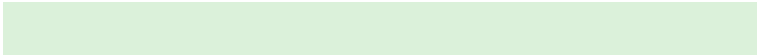
84.7941, 83.0326, 103.4736



86.1550, 83.0326, 85.9277

# Sweetspot

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



73.3259, 83.0362, 78.4938



91.2015, 98.1555, 102.4182



80.0501, 85.9988, 78.7113



19.3062, 20.9064, 21.5604



0.0000, 0.0000, 0.0000

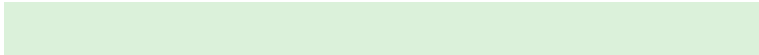


20.3446, 21.4041, 23.3091

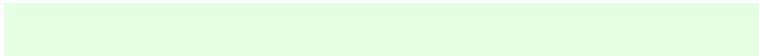


# Same Dimension

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



73.3259, 83.0362, 78.4938



81.6667, 93.5849, 86.3963



74.4236, 83.4406, 85.8394



15.6294, 17.6891, 16.7403



17.1574, 34.1665, 5.6905



1.4495, 2.8538, 0.4744



# Inverse Universe

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



76.8870, 75.0212, 93.6515



86.2984, 83.1604, 106.1109



75.7243, 74.5955, 85.7525



16.3824, 15.9944, 19.9454



26.4289, 12.6300, 46.1727

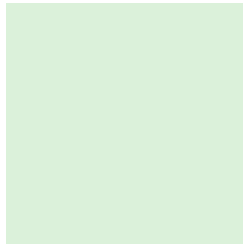


2.2195, 1.0615, 3.8421



# Previews

## White Background



This preview shows how the XYZ color 73.3236, 83.0326, 78.4920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

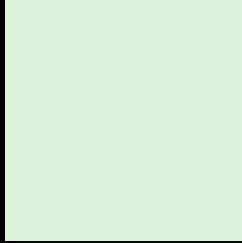
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3236, 83.0326, 78.4920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

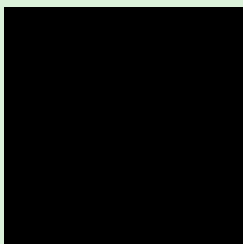
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

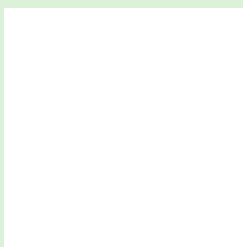
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3236, 83.0326, 78.4920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3236, 83.0326, 78.4920.



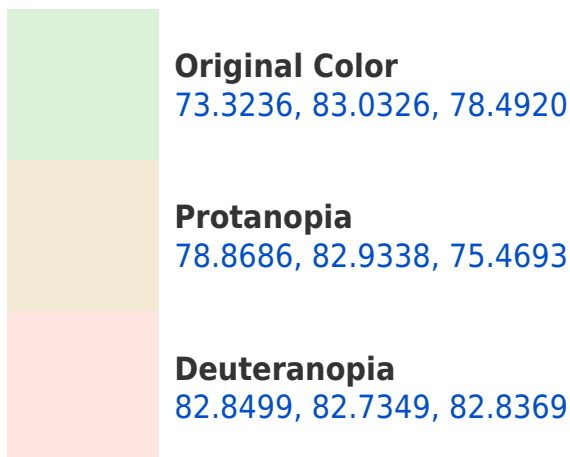
This preview shows how white text looks on a background with the XYZ color 73.3236, 83.0326,



# 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

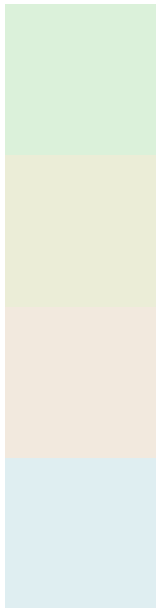




## Tritanopia

78.9362, 83.1542, 105.6559

# Trichromacy



## Original Color

73.3236, 83.0326, 78.4920

## Protanomaly

76.8109, 83.1368, 76.2886

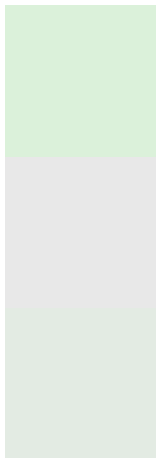
## Deuteranomaly

78.9417, 82.4290, 80.8570

## Tritanomaly

76.8831, 83.1879, 95.2238

# Monochromacy



## Original Color

73.3236, 83.0326, 78.4920

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.2520, 81.2936, 84.3981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3236, 83.0326, 78.4920 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(219, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(219, 241, 218)  
}
```

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(219, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3236, 83.0326, 78.4920 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(219, 241, 218) }
```



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

```
.border{ border-color:rgb(219, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3236, 83.0326, 78.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 218) }
```

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

```
.background{ background-color: rgb(219,  
241, 218) }
```

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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