

# Converting Colors

XYZ(76.8761, 85.4099, 78.7806)

Have a look what the booklet for  
XYZ(76.8761, 85.4099, 78.7806)  
contains.

<b>XYZ(76.7201, 85.2242, 78.7360)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.7201, 85.2242,  
78.7360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5F2DA
RGB	229, 242, 218
RGB Percent	90%, 95%, 85%
CMY	0.1020, 0.0510, 0.1451
CMYK	0.05, 0.00, 0.10, 0.05
HSL	93°, 48%, 90%
HSV	93°, 10%, 95%
XYZ	76.7201, 85.2242, 78.7360
YIQ	235.3770, -0.0440, -10.2200

# Conversions

## Conversions Part 2

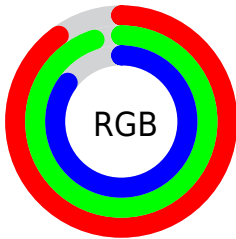
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 242, 231
Decimal	15069914
CIE Lab	93.98, -8.51, 10.10
CIE LCh	94, 13.209, 130.092
Yxy	85.2242, 0.3188, 0.3541
Android (android.graphics.Color)	4293259994 (0xFFE5F2DA)
YUV	235.3770, -8.5669, -5.5926
Hunter-Lab	92.3170, -13.2121, 14.0542

# Details

The XYZ color **76.7201, 85.2242, 78.7360** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0567, 73.5449, 94.3012**, and the grayscale version is **79.3182, 83.4489, 90.8758**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4033, 46.6464, 41.4718** is the 20% darker color. If you saturate the color by 10%, you get **69.7556, 81.9759, 63.0684**, and if you desaturate by 10%, it is **84.4677, 88.8277, 96.8574**.

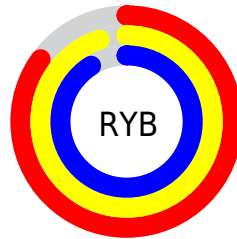
# Distribution



Red (90%)

Green (95%)

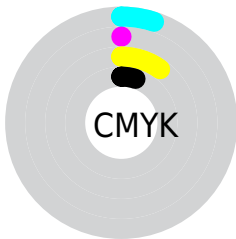
Blue (85%)



Red (85%)

Yellow (95%)

Blue (91%)

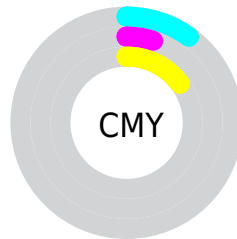


Cyan (5%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (10%)

Magenta (5%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7201, 85.2242, 78.7360 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 76.7201, 85.2242, 78.7360 by changing the saturation by 10% instead.



76.7201, 85.2242,  
78.7360

76.7201, 85.2242,  
78.7360

472.7158,  
512.3696, 510.2568

57.3223, 64.0266,  
58.1587

127.7192,  
140.6864, 133.3824

41.5052, 46.6723,  
41.5207

160.0513,  
175.7198, 168.2887

28.9035, 32.7766,  
28.4034

197.4255,  
216.1339, 208.8083

19.1517, 21.9554,  
18.3883

240.2071,  
262.3132, 255.3600

11.8846, 13.8241,  
11.0568

288.7616,  
314.6420, 308.3621

6.7368, 7.9984,  
5.9904

343.4543,

3.3429, 4.0940,

373.5048, 368.2332

2.7706

404.6506,  
439.2859, 435.3919

■ 1.3376, 1.7263,  
0.9787

■ 0.2111, 0.4406,  
0.0000

■ 76.7201, 85.2242,  
78.7360

■ 76.7201, 85.2242,  
78.7360

■ 69.7556, 81.9759,  
63.0684

■ 84.4677, 88.8277,  
96.8574

■ 63.5403, 79.0603,  
49.7437

■ 91.0438, 91.9876,  
107.5646

■ 58.0480, 76.4688,  
38.6506

■ 53.2480, 74.1882,  
29.6667

■ 49.1072, 72.2044,  
22.6576

■ 45.5892, 70.5019,  
17.4738

■ 42.6531, 69.0633,  
13.9439

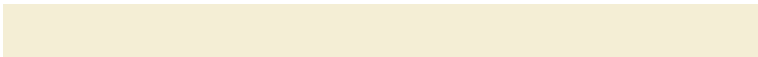
■ 40.2514, 67.8688,  
11.8645

■ 38.3107, 66.8877,  
10.8971

# Harmonies

## Analogous

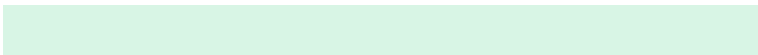
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8223, 85.2242, 74.9820



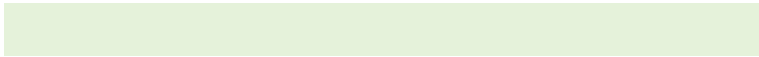
76.7201, 85.2242, 78.7360



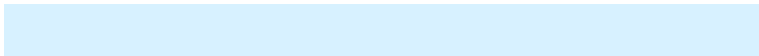
74.8019, 85.2242, 86.3468

# Triad

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



76.7201, 85.2242, 78.7360



78.7192, 85.2242, 112.2482



87.8540, 85.2242, 89.4380

# Complementary

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



76.7201, 85.2242, 78.7360



74.0567, 73.5449, 94.3012

# 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.



87.5378, 85.2242, 99.5558



76.7201, 85.2242, 78.7360



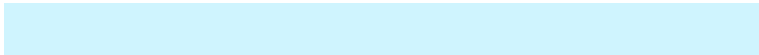
82.1953, 85.2242, 113.2260

# Square

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



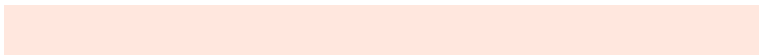
76.7201, 85.2242, 78.7360



75.9327, 85.2242, 105.8521



85.4425, 85.2242, 108.4345



86.2943, 85.2242, 80.8578



# Rectangle

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



76.7201, 85.2242, 78.7360



74.4188, 85.2242, 92.8258



85.4425, 85.2242, 108.4345



87.9646, 85.2242, 92.7636

# Sweetspot

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



76.7224, 85.2279, 78.7379



92.3342, 98.7394, 102.4712



77.7961, 80.9824, 77.8618



19.6109, 21.0635, 21.5746



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

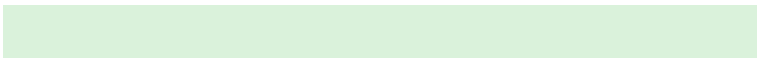
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7224, 85.2279, 78.7379



84.6706, 95.1738, 84.7135



73.4279, 83.5174, 79.1316



16.2541, 18.0112, 16.7695



20.7255, 36.0059, 5.8575



1.8376, 3.0538, 0.4926



# Inverse Universe

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



74.0567, 73.5449, 94.3012



81.0814, 79.4435, 105.6684



77.5997, 75.3852, 93.8410



15.7155, 15.6506, 19.9142



13.8067, 6.1230, 45.5820

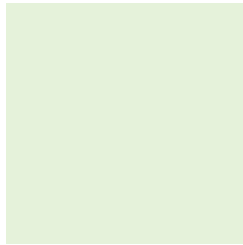


1.2632, 0.5685, 3.7974



# Previews

## White Background



This preview shows how the XYZ color 76.7201, 85.2242, 78.7360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

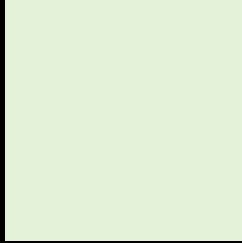
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7201, 85.2242, 78.7360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

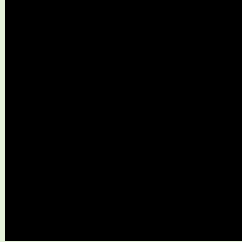
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

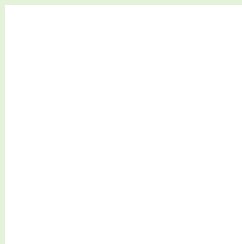
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.7201, 85.2242, 78.7360

## Background



This preview shows how black text looks on a background with the XYZ color 76.7201, 85.2242, 78.7360.



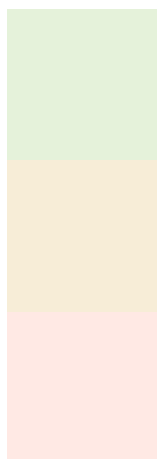
This preview shows how white text looks on a background with the XYZ color 76.7201, 85.2242,

78.7360.

# 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

76.7201, 85.2242, 78.7360

### Protanopia

80.9077, 85.2488, 76.4804

### Deuteranopia

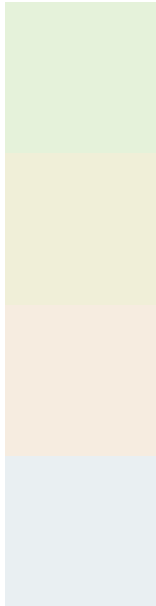
84.3825, 85.1393, 85.3849



## Tritanopia

82.5951, 85.4505, 106.7481

# Trichromacy



## Original Color

76.7201, 85.2242, 78.7360

## Protanomaly

79.1964, 85.2161, 77.2400

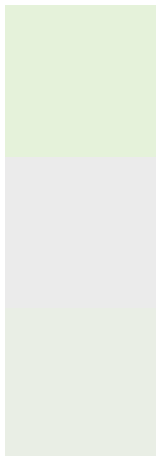
## Deuteranomaly

81.4560, 84.9656, 82.6278

## Tritanomaly

80.4978, 85.4674, 96.2586

# Monochromacy



## Original Color

76.7201, 85.2242, 78.7360

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.3217, 84.1299, 86.2394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7201, 85.2242, 78.7360 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(229, 242, 218) looks like.

```
.text, #text, p{  
    color:rgb(229, 242, 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(229, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 242, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7201, 85.2242, 78.7360 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(229, 242, 218) }
```



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

```
.border{ border-color:rgb(229, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(229, 242,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7201, 85.2242, 78.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 242, 218) }
```

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

```
.background{ background-color: rgb(229,  
242, 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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