

# Converting Colors

XYZ(76.4992, 84.8074, 90.1648)

Have a look what the booklet for  
XYZ(76.4992, 84.8074, 90.1648)  
contains.

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# Color

**XYZ(76.4222, 84.8169,  
90.1853)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDF2EA
RGB	221, 242, 234
RGB Percent	87%, 95%, 92%
CMY	0.1333, 0.0510, 0.0823
CMYK	0.09, 0.00, 0.03, 0.05
HSL	157°, 45%, 91%
HSV	157°, 9%, 95%
XYZ	76.4222, 84.8169, 90.1853
YIQ	234.8090, -9.9480, -6.9400

# Conversions

## Conversions Part 2

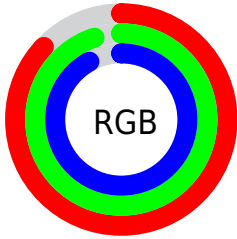
Format	Color
R <sub>Y</sub> B	221, 234, 242
Decimal	14545642
CIE Lab	93.80, -8.35, 1.49
CIE LCh	94, 8.486, 169.875
Yxy	84.8169, 0.3040, 0.3373
Android (android.graphics.Color)	4292735722 (0xFFDDDF2EA)
YUV	234.8090, -0.3988, -12.1105
Hunter-Lab	92.0961, -13.0472, 6.4074

# Details

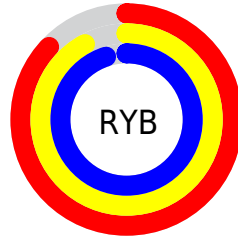
The XYZ color **76.4222, 84.8169, 90.1853** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6203, 76.2495, 84.8120**, and the grayscale version is **78.8307, 82.9360, 90.3174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3207, 46.4392, 48.9053** is the 20% darker color. If you saturate the color by 10%, you get **68.2883, 80.7752, 83.0688**, and if you desaturate by 10%, it is **85.6920, 89.4409, 97.7185**.

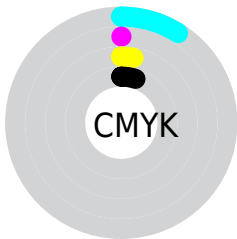
# Distribution



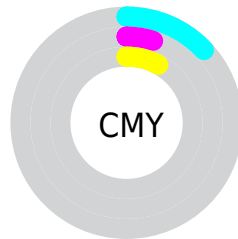
- Red (87%)
- Green (95%)
- Blue (92%)



- Red (87%)
- Yellow (92%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4222, 84.8169, 90.1853 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 76.4222, 84.8169, 90.1853 by changing the saturation by 10% instead.



76.4222, 84.8169,  
90.1853

76.4222, 84.8169,  
90.1853

471.7139,  
511.0220, 549.2191

57.0770, 63.6901,  
67.5598

127.3007,  
140.1173, 149.5335

41.3075, 46.3997,  
49.0752

159.5648,  
175.0597, 187.0933

28.7482, 32.5614,  
34.3131

196.8659,  
215.3762, 230.4682

19.0337, 21.7906,  
22.8549

239.5693,  
261.4510, 280.0768

11.7988, 13.7031,  
14.2821

288.0405,  
313.6686, 336.3377

6.6780, 7.9145,  
8.1762

342.6448,

3.3061, 4.0403,

372.4133, 399.6693

4.1185

403.7475,  
438.0697, 470.4903

■ 1.3176, 1.6961,  
1.6906

■ 0.1964, 0.4211,  
0.3543

■ 76.4222, 84.8169,  
90.1853

■ 76.4222, 84.8169,  
90.1853

■ 68.2883, 80.7752,  
83.0688

■ 85.6920, 89.4409,  
97.7185

■ 61.2367, 77.2813,  
76.3557

■ 90.6351, 91.8240,  
105.4129

■ 55.2204, 74.3133,  
70.0402

■ 91.0437, 91.9874,  
107.5646

■ 50.1859, 71.8439,  
64.1141

■ 46.0746, 69.8429,  
58.5687

■ 42.8216, 68.2771,  
53.3951

■ 40.3529, 67.1083,  
48.5836

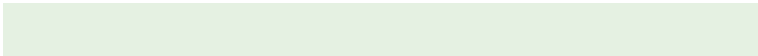
■ 38.5813, 66.2919,  
44.1239

■ 37.3800, 65.7626,  
40.0034

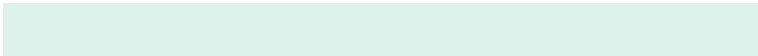
# Harmonies

## Analogous

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



77.3456, 84.8169, 84.5771



76.4222, 84.8169, 90.1853



76.6064, 84.8169, 96.6378

# Triad

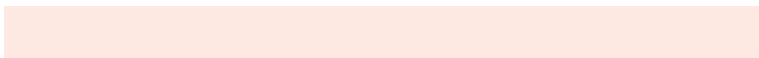
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4222, 84.8169, 90.1853



82.0991, 84.8169, 104.5291



83.4428, 84.8169, 83.1773

# Complementary

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



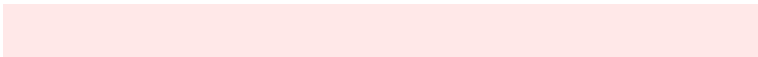
76.4222, 84.8169, 90.1853



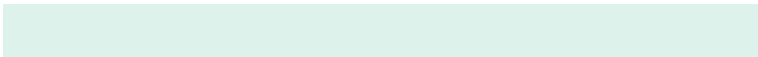
76.6203, 76.2495, 84.8120

# 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.



84.7629, 84.8169, 88.1933



76.4222, 84.8169, 90.1853



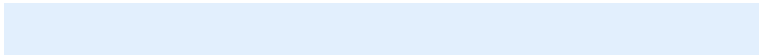
83.9772, 84.8169, 100.5877

# Square

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



76.4222, 84.8169, 90.1853



79.8561, 84.8169, 105.1235



84.9603, 84.8169, 94.5515



81.3806, 84.8169, 80.6577

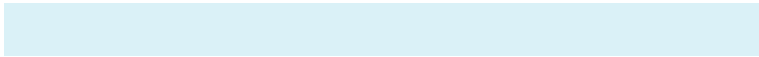


# Rectangle

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



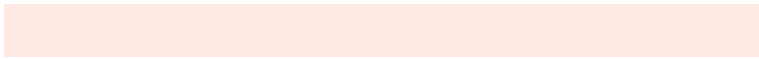
76.4222, 84.8169, 90.1853



77.3338, 84.8169, 100.5438



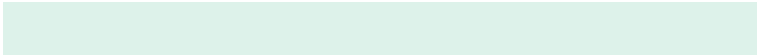
84.9603, 84.8169, 94.5515



83.9897, 84.8169, 84.6161

# Sweetspot

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



76.4246, 84.8205, 90.1872



91.8255, 98.3915, 106.3177



77.1352, 85.3948, 80.8253



19.4742, 20.9700, 22.6102



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

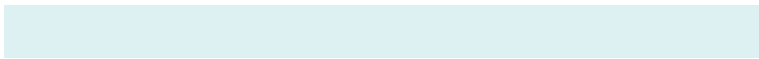
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4246, 84.8205, 90.1872



84.7576, 94.8703, 100.4574



76.8764, 83.8420, 96.1399



15.9772, 17.8209, 18.9029



20.0742, 35.3217, 21.5712



1.7183, 2.9578, 2.0489



# Inverse Universe

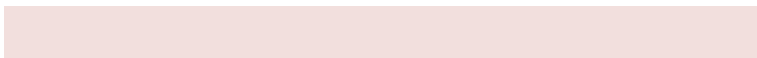
The Inverse Universe completely reimagines the original color for something new.



76.6203, 76.2495, 84.8120



85.0099, 83.8206, 93.5281



76.1798, 77.1161, 79.2777



16.0220, 15.8585, 17.6722



20.7758, 10.5827, 6.7359

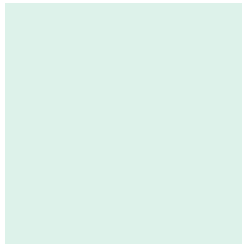


1.7754, 0.8992, 0.8079



# Previews

## White Background



This preview shows how the XYZ color 76.4222, 84.8169, 90.1853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

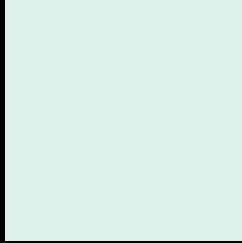
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4222, 84.8169, 90.1853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

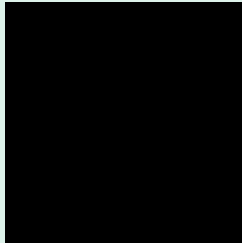
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

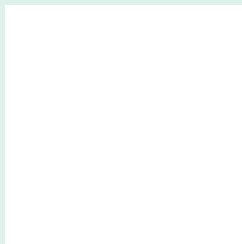
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.4222, 84.8169, 90.1853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4222, 84.8169, 90.1853.



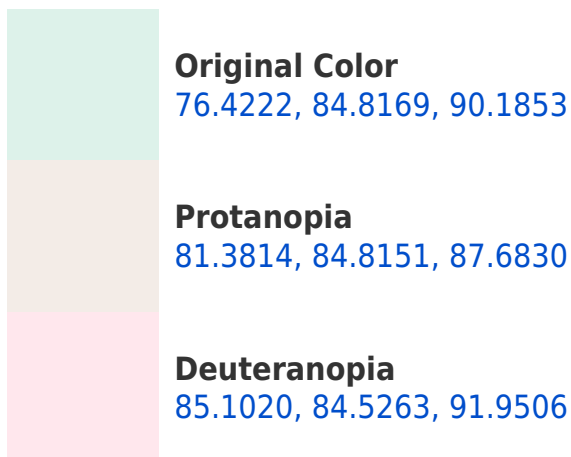
This preview shows how white text looks on a background with the XYZ color 76.4222, 84.8169,

90.1853.

# 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

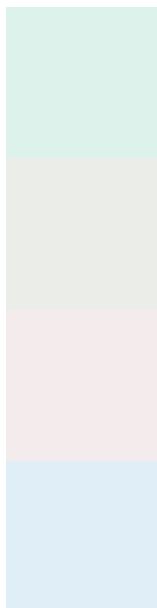




## **Tritanopia**

79.9886, 84.5378, 106.7093

# Trichromacy



## Original Color

76.4222, 84.8169, 90.1853

## Protanomaly

79.4010, 84.6374, 88.4957

## Deuteranomaly

81.8108, 84.5275, 91.3604

## Tritanomaly

78.3955, 84.2957, 100.1345

# Monochromacy



## Original Color

76.4222, 84.8169, 90.1853

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.2031, 83.9702, 90.6834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4222, 84.8169, 90.1853 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(221, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(221, 242, 234)  
}
```

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(221, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 242, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4222, 84.8169, 90.1853 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(221, 242, 234) }
```



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

```
.border{ border-color:rgb(221, 242, 234) }
```

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

Here you see how a box with a 4 pixel rgb(221, 242, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 242,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4222, 84.8169, 90.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 242, 234) }
```

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

```
.background{ background-color: rgb(221,  
242, 234) }
```

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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