

# Converting Colors

XYZ(76.8425, 85.1342, 90.6771)

Have a look what the booklet for  
XYZ(76.8425, 85.1342, 90.6771)  
contains.

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# Color

**XYZ(76.8717, 85.0320,  
90.9585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF2EB
RGB	222, 242, 235
RGB Percent	87%, 95%, 92%
CMY	0.1294, 0.0510, 0.0784
CMYK	0.08, 0.00, 0.03, 0.05
HSL	159°, 43%, 91%
HSV	159°, 8%, 95%
XYZ	76.8717, 85.0320, 90.9585
YIQ	235.2220, -9.6730, -6.4170

# Conversions

## Conversions Part 2

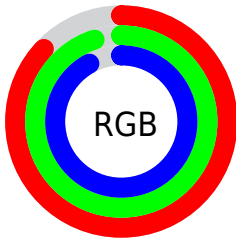
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 234, 242
Decimal	14611179
CIE Lab	93.90, -7.84, 1.12
CIE LCh	94, 7.923, 171.899
Yxy	85.0320, 0.3040, 0.3363
Android (android.graphics.Color)	4292801259 (0xFFDEF2EB)
YUV	235.2220, -0.1094, -11.5957
Hunter-Lab	92.2128, -12.5688, 6.0654

# Details

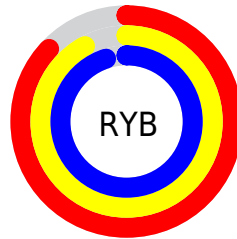
The XYZ color **76.8717, 85.0320, 90.9585** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8851, 76.7791, 84.9003**, and the grayscale version is **79.1428, 83.2644, 90.6749**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6319, 46.5880, 49.4460** is the 20% darker color. If you saturate the color by 10%, you get **68.7902, 81.0063, 84.3426**, and if you desaturate by 10%, it is **86.0802, 89.6367, 97.9351**.

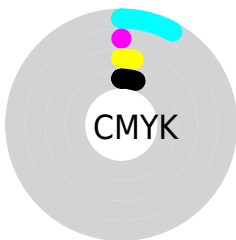
# Distribution



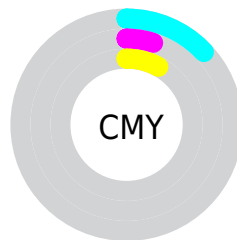
- Red (87%)
- Green (95%)
- Blue (92%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8717, 85.0320, 90.9585 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 76.8717, 85.0320, 90.9585 by changing the saturation by 10% instead.



76.8717, 85.0320,  
90.9585

76.8717, 85.0320,  
90.9585

473.2251,  
511.7339, 551.7943

57.4471, 63.8678,  
68.1977

127.9322,  
140.4179, 150.6162

41.6059, 46.5436,  
49.5909

160.2988,  
175.4084, 188.3502

28.9826, 32.6750,  
34.7195

197.7101,  
215.7764, 231.9124

19.2118, 21.8776,  
23.1651

240.5315,  
261.9064, 281.7212

11.9284, 13.7670,  
14.5090

289.1284,  
314.1828, 338.1953

6.7668, 7.9588,  
8.3328

343.8660,

3.3617, 4.0686,

372.9899, 401.7531

4.2178

405.1098,  
438.7122, 472.8133

■ 1.3478, 1.7120,  
1.7456

■ 0.2186, 0.4314,  
0.3917

■ 76.8717, 85.0320,  
90.9585

■ 76.8717, 85.0320,  
90.9585

■ 68.7902, 81.0063,  
84.3426

■ 86.0802, 89.6367,  
97.9351

■ 61.7826, 77.5252,  
78.0754

■ 90.5562, 91.7925,  
104.9971

■ 55.8022, 74.5671,  
72.1522

■ 91.0437, 91.9875,  
107.5646

■ 50.7958, 72.1047,  
66.5662

■ 46.7056, 70.1082,  
61.3102

■ 43.4669, 68.5444,  
56.3766

■ 41.0067, 67.3758,  
51.7573

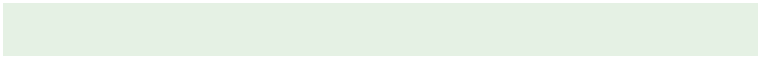
■ 39.2387, 66.5581,  
47.4434

■ 38.0421, 66.0289,  
43.4243

# Harmonies

## Analogous

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



77.6710, 85.0320, 85.6024



76.8717, 85.0320, 90.9585



77.1158, 85.0320, 96.9850

# Triad

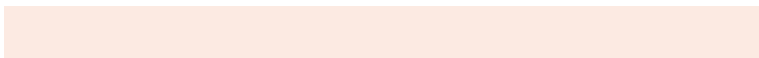
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8717, 85.0320, 90.9585



82.3423, 85.0320, 103.7847



83.3485, 85.0320, 83.7435

# Complementary

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



76.8717, 85.0320, 90.9585



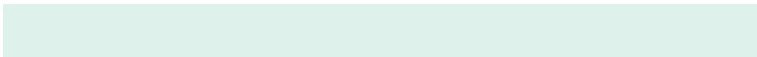
76.8851, 76.7791, 84.9003

# 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.



84.6417, 85.0320, 88.3209



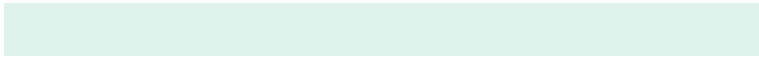
76.8717, 85.0320, 90.9585



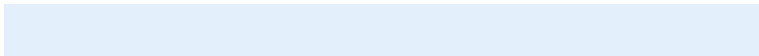
84.0537, 85.0320, 99.9382

# Square

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



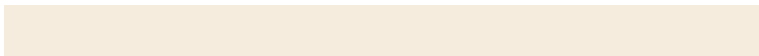
76.8717, 85.0320, 90.9585



80.2503, 85.0320, 104.5660



84.9020, 85.0320, 94.2316

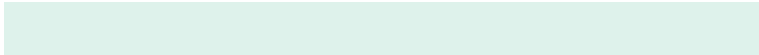


81.3931, 85.0320, 81.5568



# Rectangle

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



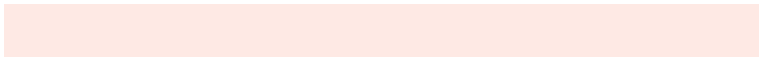
76.8717, 85.0320, 90.9585



77.8394, 85.0320, 100.5601



84.9020, 85.0320, 94.2316



83.8765, 85.0320, 85.0439

# Sweetspot

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



76.8741, 85.0356, 90.9604



92.9123, 98.9310, 107.3063



77.3593, 85.4949, 81.5333



19.9095, 21.1865, 22.9848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

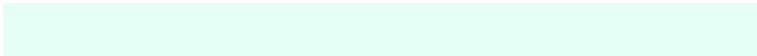


# Same Dimension

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



76.8741, 85.0356, 90.9604



84.8785, 94.9186, 101.0942



77.1182, 83.8722, 96.1331



15.9987, 17.8295, 19.0158



20.4064, 35.4546, 23.3210



1.7445, 2.9682, 2.1870



# Inverse Universe

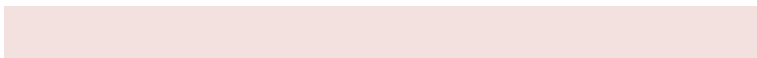
The Inverse Universe completely reimagines the original color for something new.



76.8851, 76.7791, 84.9003



84.8935, 83.7740, 92.9147



76.6406, 77.8238, 80.0905



16.0013, 15.8502, 17.5631



20.6049, 10.5144, 5.8361

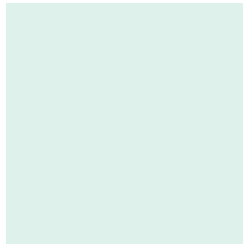


1.7596, 0.8929, 0.7248



# Previews

## White Background



This preview shows how the XYZ color 76.8717, 85.0320, 90.9585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

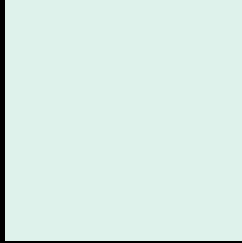
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8717, 85.0320, 90.9585 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

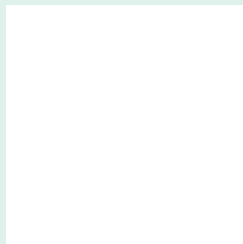
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.8717, 85.0320, 90.9585**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8717, 85.0320, 90.9585.



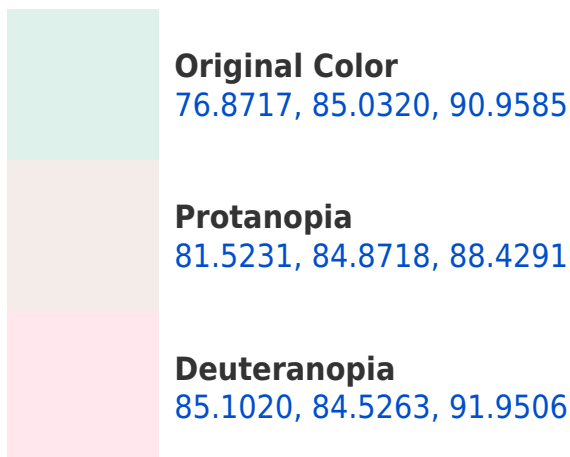
This preview shows how white text looks on a background with the XYZ color 76.8717, 85.0320,

90.9585.

# 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

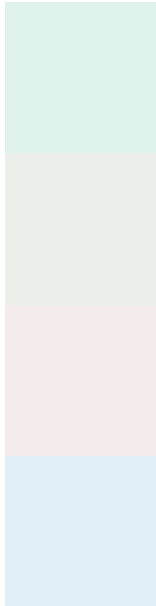




## Tritanopia

80.3031, 84.7000, 106.7240

# Trichromacy



## Original Color

76.8717, 85.0320, 90.9585

## Protanomaly

79.5435, 84.6944, 89.2461

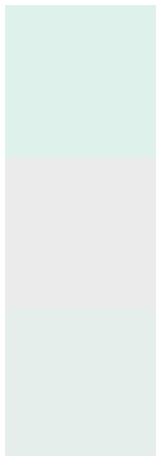
## Deuteranomaly

81.8108, 84.5275, 91.3604

## Tritanomaly

78.8611, 84.5179, 100.9641

# Monochromacy



## Original Color

76.8717, 85.0320, 90.9585

## 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 76.8717, 85.0320, 90.9585 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(222, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 235)  
}
```

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(222, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8717, 85.0320, 90.9585 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(222, 242, 235) }
```



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

```
.border{ border-color:rgb(222, 242, 235) }
```

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

Here you see how a box with a 4 pixel rgb(222, 242, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8717, 85.0320, 90.9585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 235) }
```

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

```
.background{ background-color: rgb(222,  
242, 235) }
```

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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