

# Converting Colors

XYZ(75.7895, 85.1338, 93.2455)

Have a look what the booklet for  
XYZ(75.7895, 85.1338, 93.2455)  
contains.

<b>XYZ(75.8076, 85.3215, 93.3621)</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(75.8076, 85.3215,  
93.3621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F4EE
RGB	215, 244, 238
RGB Percent	84%, 96%, 93%
CMY	0.1569, 0.0431, 0.0667
CMYK	0.12, 0.00, 0.02, 0.04
HSL	168°, 57%, 90%
HSV	168°, 12%, 96%
XYZ	75.8076, 85.3215, 93.3621
YIQ	234.6450, -15.3580, -8.0140

# Conversions

## Conversions Part 2

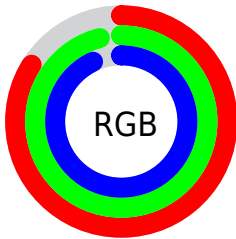
Format	Color
R <sub>Y</sub> B	215, 231, 244
Decimal	14152942
CIE Lab	94.02, -10.54, -0.31
CIE LCh	94, 10.545, 181.704
Yxy	85.3215, 0.2979, 0.3353
Android (android.graphics.Color)	4292343022 (0xFFD7F4EE)
YUV	234.6450, 1.6540, -17.2287
Hunter-Lab	92.3696, -15.1522, 4.7317

# Details

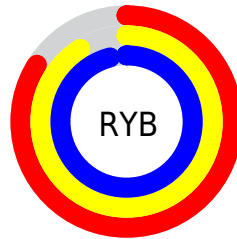
The XYZ color **75.8076, 85.3215, 93.3621** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6629, 73.0566, 78.5766**, and the grayscale version is **78.6939, 82.7921, 90.1607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9239, 46.8174, 51.1357** is the 20% darker color. If you saturate the color by 10%, you get **68.4390, 81.6097, 89.1991**, and if you desaturate by 10%, it is **84.2705, 89.5997, 97.6886**.

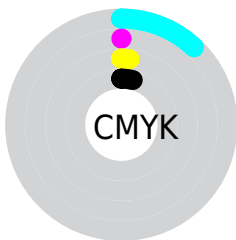
# Distribution



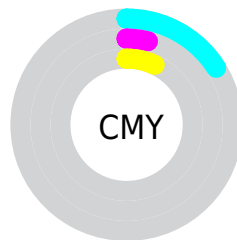
- Red (84%)
- Green (96%)
- Blue (93%)



- Red (84%)
- Yellow (91%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8076, 85.3215, 93.3621 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 75.8076, 85.3215, 93.3621 by changing the saturation by 10% instead.



75.8076, 85.3215,  
93.3621

75.8076, 85.3215,  
93.3621

469.6433,  
512.6913, 559.7578

56.5713, 64.1071,  
70.1832

126.4367,  
140.8223, 153.9759

40.8999, 46.7374,  
51.1981

158.5602,  
175.8774, 192.2478

28.4282, 32.8281,  
35.9885

195.7101,  
216.3149, 236.3878

18.7908, 21.9948,  
24.1357

238.2518,  
262.5191, 286.8144

11.6223, 13.8531,  
15.2212

286.5506,  
314.8744, 343.9462

6.5574, 8.0185,  
8.8264

340.9719,

3.2307, 4.1068,

373.7653, 408.2017

4.5329

401.8810,  
439.5762, 479.9994

■ 1.2769, 1.7335,  
1.9220

■ 0.1658, 0.4452,  
0.5067

■ 75.8076, 85.3215,  
93.3621

■ 75.8076, 85.3215,  
93.3621

■ 68.4390, 81.6097,  
89.1991

■ 84.2705, 89.5997,  
97.6886

■ 62.1100, 78.4292,  
85.1908

■ 90.5516, 92.7483,  
102.0207

■ 56.7723, 75.7573,  
81.3359

■ 91.3465, 93.0663,  
106.2065

■ 52.3707, 73.5656,  
77.6307

■ 91.6423, 93.1846,  
107.7641

■ 48.8446, 71.8230,  
74.0717

■ 46.1260, 70.4943,  
70.6547

■ 44.1368, 69.5394,  
67.3750

■ 42.7830, 68.9097,  
64.2274

■ 42.0335, 68.5771,  
61.7645

# Harmonies

## Analogous

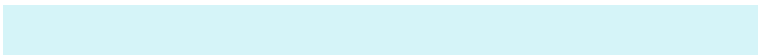
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4250, 85.3215, 85.7485



75.8076, 85.3215, 93.3621



76.5797, 85.3215, 101.2827

# Triad

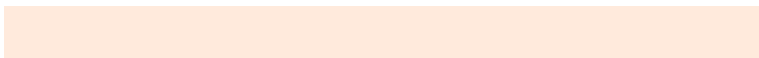
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8076, 85.3215, 93.3621



83.9718, 85.3215, 106.7146



83.6869, 85.3215, 79.9159

# Complementary

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



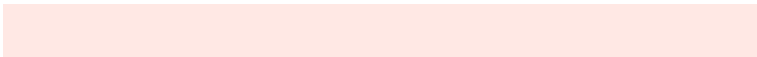
75.8076, 85.3215, 93.3621



74.6629, 73.0566, 78.5766

# 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.



85.7855, 85.3215, 84.9942



75.8076, 85.3215, 93.3621



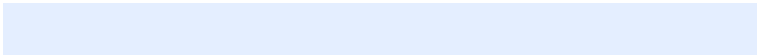
85.9526, 85.3215, 100.4398

# Square

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



75.8076, 85.3215, 93.3621



81.2565, 85.3215, 109.2629



86.6238, 85.3215, 92.4406



80.9348, 85.3215, 78.2593

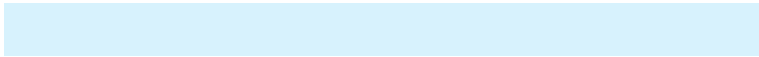


# Rectangle

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



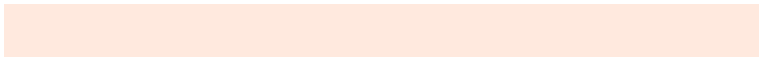
75.8076, 85.3215, 93.3621



77.7891, 85.3215, 105.5978



86.6238, 85.3215, 92.4406



84.4944, 85.3215, 81.2644

# Sweetspot

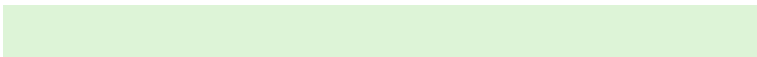
The Sweet Spot groups the original color and five complimentary colors.



75.8100, 85.3251, 93.3640



91.0583, 97.9813, 106.9485



74.5242, 85.0280, 76.7754



19.3343, 20.8932, 22.8135



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.



75.8100, 85.3251, 93.3640



81.9466, 93.3798, 102.1952



74.2892, 80.8480, 97.2820



16.8411, 18.6956, 20.4478



22.9056, 37.3071, 33.8522



2.0493, 3.2934, 3.1654



# Inverse Universe

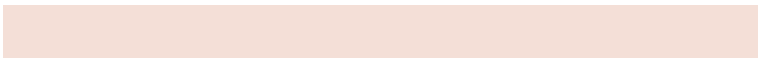
The Inverse Universe completely reimagines the original color for something new.



74.6629, 73.0566, 78.5766



80.4722, 77.6087, 83.1874



76.0224, 77.0332, 75.1533



16.6394, 16.5386, 17.8478



20.6447, 10.6013, 2.8373

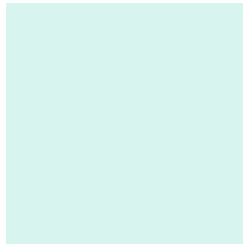


1.8502, 0.9460, 0.4374



# Previews

## White Background



This preview shows how the XYZ color 75.8076, 85.3215, 93.3621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

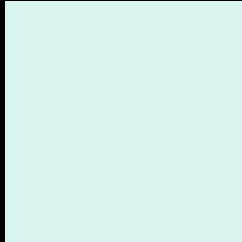
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8076, 85.3215, 93.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

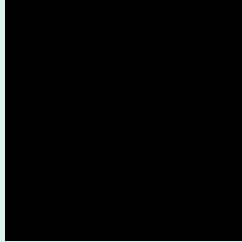
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

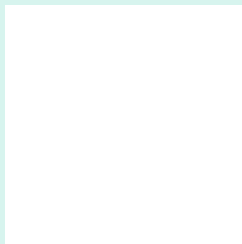
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8076, 85.3215, 93.3621

## Background



This preview shows how black text looks on a background with the XYZ color 75.8076, 85.3215, 93.3621.



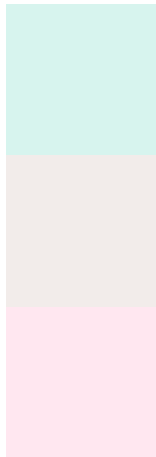
This preview shows how white text looks on a background with the XYZ color 75.8076, 85.3215,

93.3621.

# 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

75.8076, 85.3215, 93.3621

### Protanopia

81.4647, 84.8087, 89.9180

### Deuteranopia

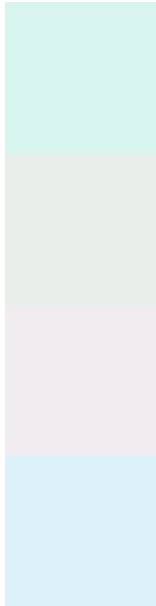
85.5441, 84.7031, 94.2787



## Tritanopia

79.6415, 85.2282, 106.8609

# Trichromacy



## Original Color

75.8076, 85.3215, 93.3621

## Protanomaly

79.1406, 84.8870, 90.8109

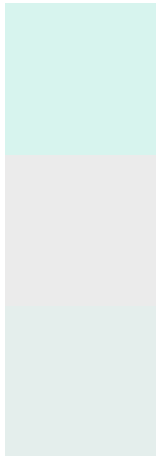
## Deuteranomaly

81.5106, 84.7482, 93.7233

## Tritanomaly

78.0694, 84.9658, 101.9079

# Monochromacy



## Original Color

75.8076, 85.3215, 93.3621

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.7098, 83.6992, 91.4167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8076, 85.3215, 93.3621 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(215, 244, 238)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 238)  
}
```

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(215, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8076, 85.3215, 93.3621 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".

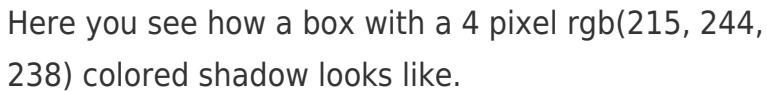
```
.border, #border, table{ border:4px solid rgb(215, 244, 238) }
```



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

```
.border{ border-color:rgb(215, 244, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 244, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 244, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 244, 238); box-shadow:4px 4px 4px 4px rgb(215, 244, 238) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8076, 85.3215, 93.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 238) }
```

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

```
.background{ background-color: rgb(215,  
244, 238) }
```

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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