

# Converting Colors

XYZ(75.8311, 87.8435, 95.7416)

Have a look what the booklet for  
XYZ(75.8311, 87.8435, 95.7416)  
contains.

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# Color

**XYZ(75.9262, 88.0724,  
95.4360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FAF0
RGB	208, 250, 240
RGB Percent	82%, 98%, 94%
CMY	0.1843, 0.0196, 0.0588
CMYK	0.17, 0.00, 0.04, 0.02
HSL	166°, 81%, 90%
HSV	166°, 17%, 98%
XYZ	75.9262, 88.0724, 95.4360
YIQ	236.3020, -21.8220, -12.0140

# Conversions

## Conversions Part 2

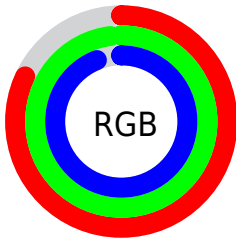
Format	Color
R <sub>Y</sub> B	208, 232, 250
Decimal	13695728
CIE Lab	95.19, -15.34, 0.31
CIE LCh	95, 15.344, 178.854
Yxy	88.0724, 0.2927, 0.3395
Android (android.graphics.Color)	4291885808 (0xFFD0FAF0)
YUV	236.3020, 1.8231, -24.8209
Hunter-Lab	93.8469, -19.8178, 5.3989

# Details

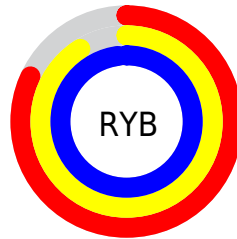
The XYZ color **75.9262, 88.0724, 95.4360** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6382, 70.5000, 76.0075**, and the grayscale version is **79.9606, 84.1248, 91.6119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8586, 48.3729, 52.5308** is the 20% darker color. If you saturate the color by 10%, you get **68.5742, 84.3852, 90.5515**, and if you desaturate by 10%, it is **84.4202, 92.3497, 100.5292**.

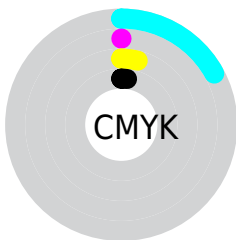
# Distribution



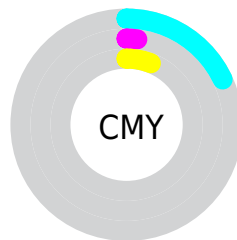
- Red (82%)
- Green (98%)
- Blue (94%)



- Red (82%)
- Yellow (91%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9262, 88.0724, 95.4360 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 75.9262, 88.0724, 95.4360 by changing the saturation by 10% instead.




 75.9262, 88.0724,  
95.4360

 75.9262, 88.0724,  
95.4360


470.0433,  
521.7403, 566.5798

 56.6688, 66.3830,  
71.8990

126.6035,  
144.6579, 156.8676

 40.9785, 48.5834,  
52.5899

158.7541,  
180.3229, 195.5993

 28.4899, 34.2891,  
37.0900


195.9332,  
221.4152, 240.2329

 18.8376, 23.1158,  
24.9808

238.5062,  
268.3192, 291.1871

 11.6563, 14.6790,  
15.8439

286.8383,  
321.4193, 348.8803

 6.5806, 8.5944,  
9.2606

341.2950,

 3.2452, 4.4776,

381.1000, 413.7312

4.8124

402.2415,  
447.7455, 486.1581

■ 1.2847, 1.9442,  
2.0808

■ 0.1717, 0.5747,  
0.6043

■ 75.9262, 88.0724,  
95.4360

■ 75.9262, 88.0724,  
95.4360

■ 68.5742, 84.3852,  
90.5515

■ 84.4202, 92.3497,  
100.5292

■ 62.3046, 81.2503,  
85.8659

■ 92.9837, 96.6571,  
105.7767

■ 57.0637, 78.6425,  
81.3772

■ 93.4772, 96.8545,  
108.3757

■ 52.7902, 76.5301,  
77.0808

■ 49.4162, 74.8781,  
72.9722

■ 46.8644, 73.6469,  
69.0463

■ 45.0447, 72.7899,  
65.2973

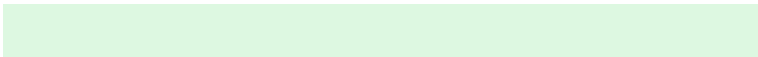
■ 43.8427, 72.2482,  
61.7182

■ 43.5323, 72.1125,  
60.6062

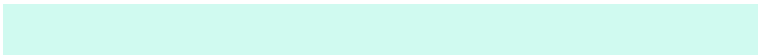
# Harmonies

## Analogous

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



77.0158, 88.0724, 84.4723



75.9262, 88.0724, 95.4360



76.8638, 88.0724, 107.4426

# Triad

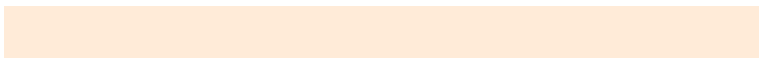
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9262, 88.0724, 95.4360



87.6504, 88.0724, 117.5105



87.9380, 88.0724, 77.5079

# Complementary

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



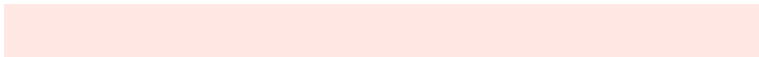
75.9262, 88.0724, 95.4360



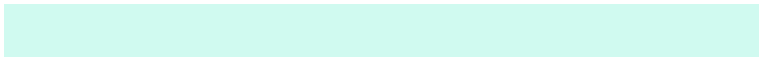
74.6382, 70.5000, 76.0075

# 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.



90.9515, 88.0724, 85.2076



75.9262, 88.0724, 95.4360



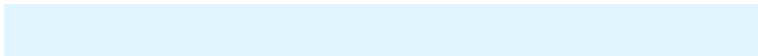
90.7816, 88.0724, 108.3055

# Square

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



75.9262, 88.0724, 95.4360



83.5494, 88.0724, 120.8091



92.0088, 88.0724, 96.3572

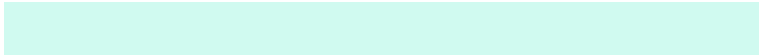


83.8711, 88.0724, 74.6672

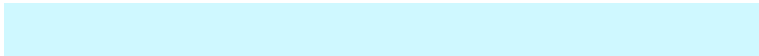


# Rectangle

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



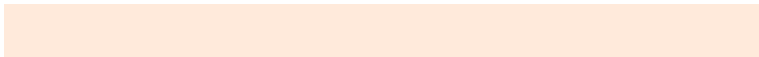
75.9262, 88.0724, 95.4360



78.5306, 88.0724, 114.3016



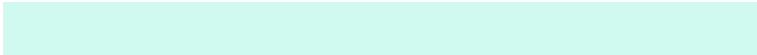
92.0088, 88.0724, 96.3572



89.1127, 88.0724, 79.5803

# Sweetspot

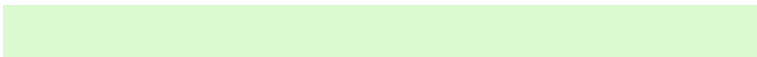
The Sweet Spot groups the original color and five complimentary colors.



75.9287, 88.0761, 95.4380



90.0287, 97.4675, 106.1332



74.6367, 87.9117, 72.7108



19.1242, 20.7886, 22.6346



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

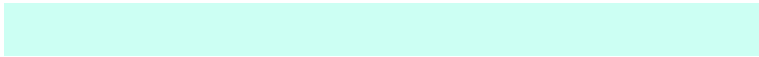


# Same Dimension

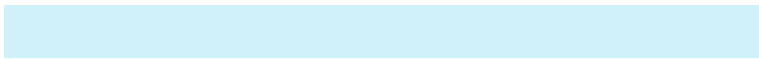
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9287, 88.0761, 95.4380



76.8174, 90.8196, 98.1595



74.2836, 82.3415, 102.4251



17.5787, 19.5337, 21.2479



23.1488, 38.2725, 32.4564



2.1850, 3.5611, 3.2220



# Inverse Universe

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



74.6382, 70.5000, 76.0075



75.2464, 69.4112, 74.4967



76.0137, 75.2832, 70.2006



17.4140, 17.2930, 18.7700



21.3844, 10.9695, 3.4669



2.0200, 1.0318, 0.5289



# Previews

## White Background



This preview shows how the XYZ color 75.9262, 88.0724, 95.4360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

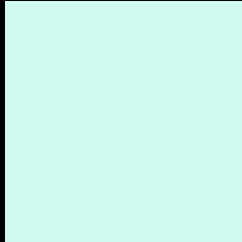
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9262, 88.0724, 95.4360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

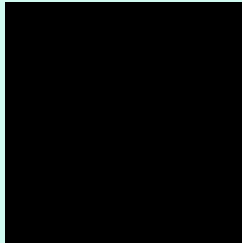
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

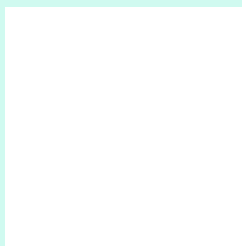
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.9262, 88.0724, 95.4360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9262, 88.0724, 95.4360.



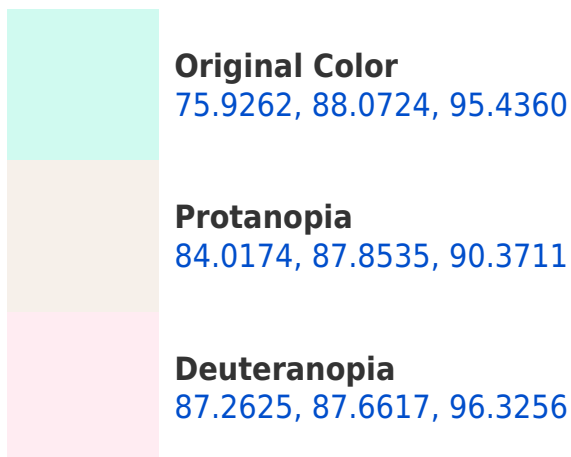
This preview shows how white text looks on a background with the XYZ color 75.9262, 88.0724,

95.4360.

# 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

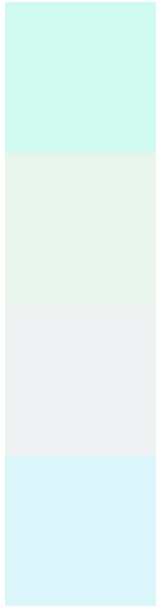




## Tritanopia

81.7647, 88.0901, 107.3014

# Trichromacy



## Original Color

75.9262, 88.0724, 95.4360

## Protanomaly

80.7697, 87.9133, 92.0688

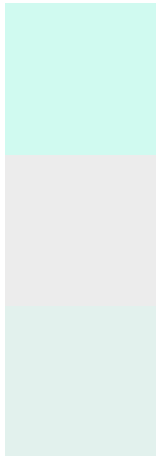
## Deuteranomaly

82.5924, 87.4386, 95.7433

## Tritanomaly

79.4245, 87.8737, 103.2177

# Monochromacy



## Original Color

75.9262, 88.0724, 95.4360

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.1054, 85.1938, 92.4482

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9262, 88.0724, 95.4360 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(208, 250, 240)` looks like.

```
.text, #text, p{  
    color:rgb(208, 250, 240)  
}
```

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(208, 250, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 250, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9262, 88.0724, 95.4360 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(208, 250, 240) }
```



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

```
.border{ border-color:rgb(208, 250, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 250, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 250, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 250, 240);  
box-shadow:4px 4px 4px 4px rgb(208, 250,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9262, 88.0724, 95.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 250, 240) }
```

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

```
.background{ background-color: rgb(208,  
250, 240) }
```

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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