

# Converting Colors

XYZ(75.2700, 82.4486, 96.0717)

Have a look what the booklet for  
XYZ(75.2700, 82.4486, 96.0717)  
contains.

<b>XYZ(75.2168, 82.3116, 95.9278)</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(75.2168, 82.3116,  
95.9278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9EEF2
RGB	217, 238, 242
RGB Percent	85%, 93%, 95%
CMY	0.1490, 0.0666, 0.0510
CMYK	0.10, 0.02, 0.00, 0.05
HSL	190°, 49%, 90%
HSV	190°, 10%, 95%
XYZ	75.2168, 82.3116, 95.9278
YIQ	232.1770, -13.8000, -3.2080

# Conversions

## Conversions Part 2

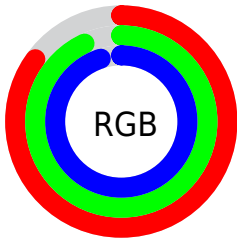
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 228, 242
Decimal	14282482
CIE Lab	92.71, -6.10, -4.30
CIE LCh	93, 7.464, 215.135
Yxy	82.3116, 0.2968, 0.3248
Android (android.graphics.Color)	4292472562 (0xFFD9EEF2)
YUV	232.1770, 4.8427, -13.3102
Hunter-Lab	90.7257, -10.7834, 0.8184

# Details

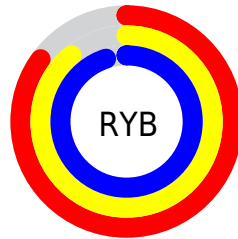
The XYZ color **75.2168, 82.3116, 95.9278** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9992, 75.5994, 76.2862**, and the grayscale version is **76.8085, 80.8085, 88.0005**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4912, 44.6824, 52.9448** is the 20% darker color. If you saturate the color by 10%, you get **67.4308, 76.6458, 95.2458**, and if you desaturate by 10%, it is **84.0865, 88.5765, 96.6708**.

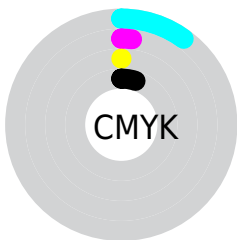
# Distribution



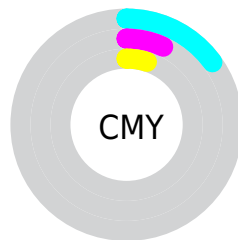
- Red (85%)
- Green (93%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (7%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2168, 82.3116, 95.9278 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 75.2168, 82.3116, 95.9278 by changing the saturation by 10% instead.



75.2168, 82.3116,  
95.9278

75.2168, 82.3116,  
95.9278

467.6481,  
502.6894, 568.1910

56.0853, 61.6224,  
72.3063

125.6055,  
136.6109, 157.5524

40.5086, 44.7277,  
52.9205

157.5934,  
170.9898, 196.3925

28.1213, 31.2430,  
37.3521

194.5975,  
210.7007, 241.1426

18.5580, 20.7839,  
25.1823

236.9831,  
256.1280, 292.2211

11.4535, 12.9662,  
15.9926

285.1156,  
307.6561, 350.0467

6.4422, 7.4052,  
9.3647

339.3604,

3.1590, 3.7168,

365.6695, 415.0378

4.8797

400.0828,  
430.5524, 487.6131

■ 1.2384, 1.5164,  
2.1194

■ 0.1364, 0.3003,  
0.6273

■ 75.2168, 82.3116,  
95.9278

■ 75.2168, 82.3116,  
95.9278

■ 67.4308, 76.6458,  
95.2458

■ 84.0865, 88.5765,  
96.6708

■ 60.6756, 71.5449,  
94.6173

■ 90.1447, 93.4259,  
97.2876

■ 54.9042, 66.9867,  
94.0417

■ 91.3321, 95.8006,  
97.6834

■ 50.0635, 62.9434,  
93.5164

■ 92.5441, 98.2247,  
98.0874

■ 46.0948, 59.3848,  
93.0387

■ 93.0273, 99.1909,  
98.2484

■ 42.9329, 56.2769,  
92.6054

■ 40.5031, 53.5810,  
92.2131

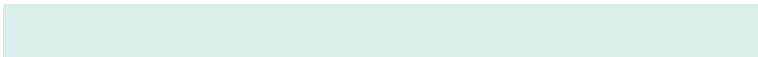
■ 38.7164, 51.2509,  
91.8576

■ 37.4579, 49.2721,  
91.5419

# Harmonies

## Analogous

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



74.5697, 82.3116, 90.5850



75.2168, 82.3116, 95.9278



76.6731, 82.3116, 99.6935

# Triad

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



75.2168, 82.3116, 95.9278



81.6761, 82.3116, 94.2016



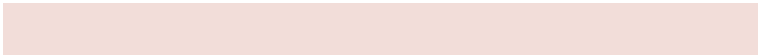
77.9006, 82.3116, 79.3762

# Complementary

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



75.2168, 82.3116, 95.9278



74.9992, 75.5994, 76.2862

# 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.



79.8174, 82.3116, 80.2552



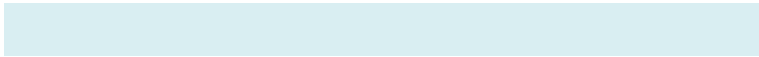
75.2168, 82.3116, 95.9278



82.0179, 82.3116, 88.6685

# Square

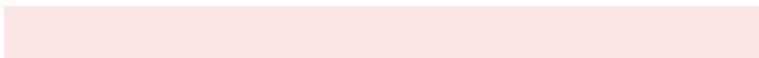
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2168, 82.3116, 95.9278



80.4061, 82.3116, 98.6683



81.3323, 82.3116, 83.6013



76.1027, 82.3116, 81.1488

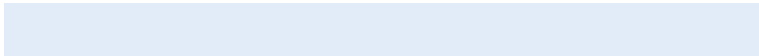


# Rectangle

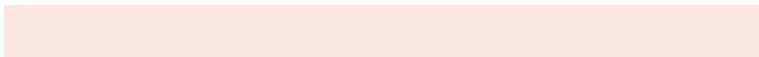
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



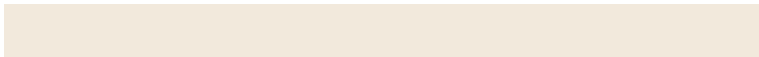
75.2168, 82.3116, 95.9278



77.9180, 82.3116, 100.7212



81.3323, 82.3116, 83.6013



78.5522, 82.3116, 79.3722

# Sweetspot

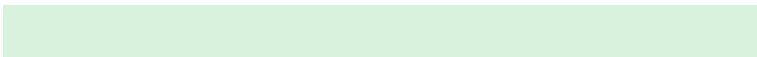
The Sweet Spot groups the original color and five complimentary colors.



75.2192, 82.3151, 95.9296



91.9024, 97.8001, 108.6413



73.3866, 83.4645, 80.4758



19.4950, 20.8096, 23.2391



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

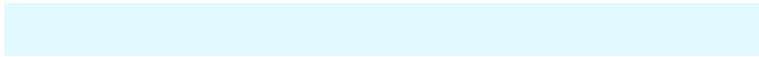


# Same Dimension

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



75.2192, 82.3151, 95.9296



83.1339, 91.5699, 107.9009



71.7720, 75.4208, 94.7806



16.0197, 17.4735, 20.2500



20.2068, 26.6378, 49.2045



1.7381, 2.3301, 4.1124



# Inverse Universe

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



76.8653, 74.6776, 91.2560



85.2756, 81.6955, 101.8059



78.3534, 82.3079, 77.4043



16.3394, 15.9855, 19.3433



25.5251, 12.4825, 31.7452

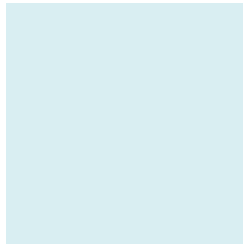


2.1522, 1.0499, 2.7925



# Previews

## White Background



This preview shows how the XYZ color 75.2168, 82.3116, 95.9278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

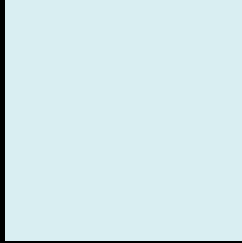
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2168, 82.3116, 95.9278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

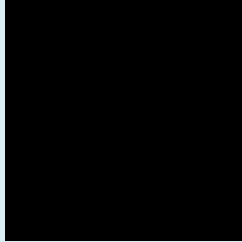
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

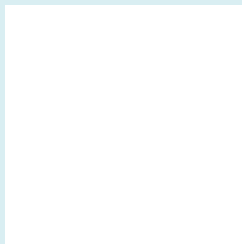
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2168, 82.3116, 95.9278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2168, 82.3116, 95.9278.



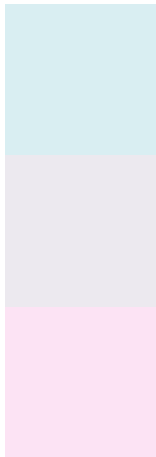
This preview shows how white text looks on a background with the XYZ color 75.2168, 82.3116,

95.9278.

# 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

75.2168, 82.3116, 95.9278

### Protanopia

79.3110, 82.3427, 93.3749

### Deuteranopia

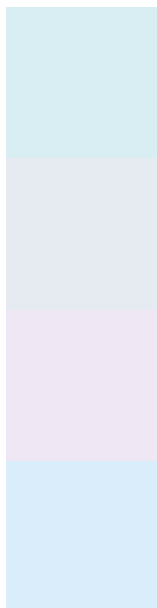
83.9431, 82.1653, 97.0232



## **Tritanopia**

77.2589, 82.2710, 106.4156

# Trichromacy



## Original Color

75.2168, 82.3116, 95.9278

## Protanomaly

77.7496, 82.3659, 94.2384

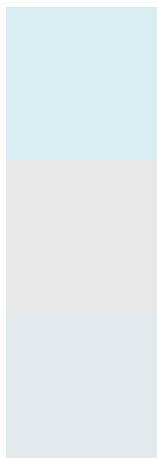
## Deuteranomaly

80.3502, 81.9736, 96.3816

## Tritanomaly

76.4529, 82.3759, 102.3131

# Monochromacy



## Original Color

75.2168, 82.3116, 95.9278

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.2417, 81.2327, 91.0180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2168, 82.3116, 95.9278 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(217, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(217, 238, 242)  
}
```

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(217, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 238, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2168, 82.3116, 95.9278 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(217, 238, 242) }
```



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

```
.border{ border-color:rgb(217, 238, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 238, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 238, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 238, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 238,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2168, 82.3116, 95.9278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 238, 242) }
```

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

```
.background{ background-color: rgb(217,  
238, 242) }
```

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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