

Converting Colors

XYZ(75.8217, 90.8417, 73.9245)

Have a look what the booklet for
XYZ(75.8217, 90.8417, 73.9245)
contains.

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Color

**XYZ(75.8839, 90.8752,
73.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFD1
RGB	217, 255, 209
RGB Percent	85%, 100%, 82%
CMY	0.1490, 0.0000, 0.1804
CMYK	0.15, 0.00, 0.18, 0.00
HSL	110°, 100%, 91%
HSV	110°, 18%, 100%
XYZ	75.8839, 90.8752, 73.8628
YIQ	238.3940, -7.8820, -22.3620

Conversions

Conversions Part 2

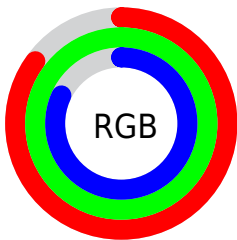
Format	Color
RYB	209, 255, 247
Decimal	14286801
CIELab	96.36, -20.46, 17.99
CIELCh	96, 27.243, 138.675
Yxy	90.8752, 0.3154, 0.3777
Android (android.graphics.Color)	4292476881 (0xFFD9FFD1)
YUV	238.3940, -14.4912, -18.7625
Hunter-Lab	95.3285, -24.7343, 20.7906

Details

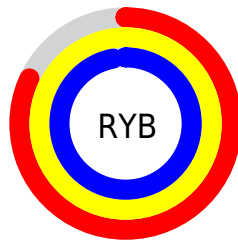
The XYZ color **75.8839, 90.8752, 73.8628** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.2091, 72.5963, 104.4455**, and the grayscale version is **81.6860, 85.9401, 93.5887**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9271, 50.4026, 38.1434** is the 20% darker color. If you saturate the color by 10%, you get **67.1078, 86.6870, 58.2696**, and if you desaturate by 10%, it is **85.9659, 95.6781, 92.1575**.

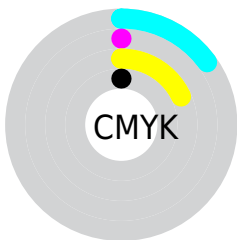
Distribution



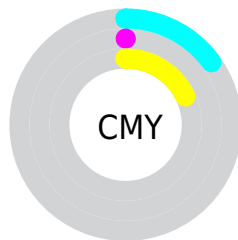
- Red (85%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8839, 90.8752, 73.8628 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 75.8839, 90.8752, 73.8628 by changing the saturation by 10% instead.


 75.8839, 90.8752,
73.8628

 75.8839, 90.8752,
73.8628


469.9007,
530.8737, 493.1504

 56.6340, 68.7068,
54.1856


126.5440,
148.5535, 126.4335

 40.9505, 50.4729,
38.3559


158.6850,
184.8321, 160.1642

 28.4679, 35.7893,
25.9551


195.8537,
226.5830, 199.4165

 18.8209, 24.2715,
16.5646

238.4154,
274.1904, 244.6088

 11.6442, 15.5352,
9.7659

286.7357,
328.0388, 296.1599

 6.5724, 9.1958,
5.1404

341.1797,

 3.2401, 4.8691,

388.5125, 354.4882

2.2697

402.1129,
455.9961, 420.0122

■ 1.2819, 2.1707,
0.7142

■ 0.1696, 0.7039,
0.0000

■ 75.8839, 90.8752,
73.8628

■ 75.8839, 90.8752,
73.8628

■ 67.1078, 86.6870,
58.2696

■ 85.9659, 95.6781,
92.1575

■ 59.5818, 83.0876,
45.2460

95.0500, 100.0000,
108.9000

■ 53.2486, 80.0506,
34.6552

■ 48.0456, 77.5469,
26.3463

■ 43.9047, 75.5450,
20.1513

■ 40.7497, 74.0098,
15.8793

■ 38.4937, 72.9015,
13.3048

■ 37.0289, 72.1710,
12.1224

■ 36.8136, 72.0631,
11.9693

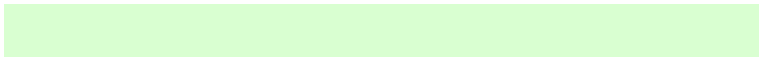
Harmonies

Analogous

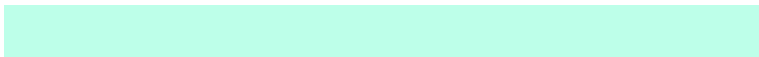
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7906, 90.8752, 64.4355



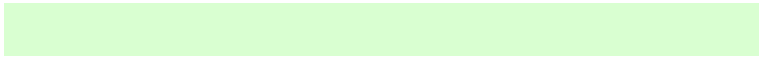
75.8839, 90.8752, 73.8628



72.8558, 90.8752, 90.9741

Triad

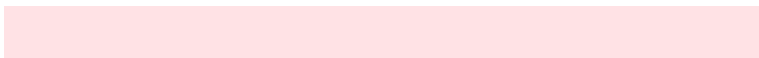
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8839, 90.8752, 73.8628



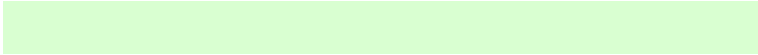
83.5432, 90.8752, 145.7828



100.9317, 90.8752, 86.1742

Complementary

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



75.8839, 90.8752, 73.8628



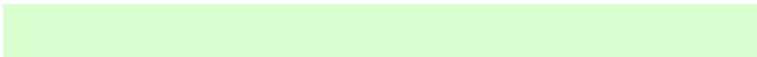
79.2091, 72.5963, 104.4455

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.



101.4691, 90.8752, 107.3740



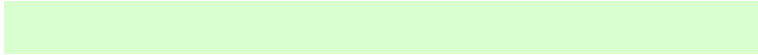
75.8839, 90.8752, 73.8628



91.1258, 90.8752, 143.9970

Square

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



75.8839, 90.8752, 73.8628



77.1022, 90.8752, 133.7238



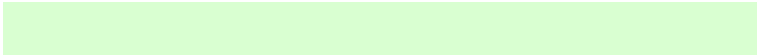
97.7892, 90.8752, 129.1520



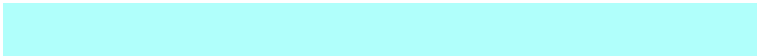
96.3611, 90.8752, 70.7929

Rectangle

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



75.8839, 90.8752, 73.8628



72.7513, 90.8752, 105.3781



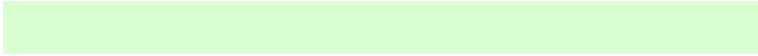
97.7892, 90.8752, 129.1520



101.5995, 90.8752, 92.7843

Sweetspot

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



75.8845, 90.8754, 73.8642



89.2952, 97.2626, 98.2686



85.8774, 92.1206, 73.5778



18.9456, 20.7386, 20.7260



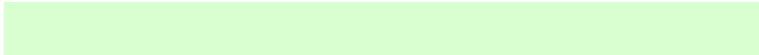
0.0000, 0.0000, 0.0000



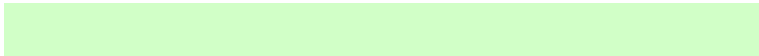
20.3446, 21.4041, 23.3091

Same Dimension

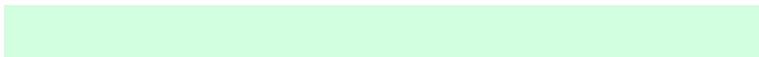
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8845, 90.8754, 73.8642



72.2544, 89.1440, 67.3703



75.4511, 90.4340, 83.6931



18.0660, 20.3199, 19.1143



19.3209, 37.6984, 6.2582



1.9585, 3.7104, 0.6130

Inverse Universe

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



79.2091, 72.5963, 104.4455



76.1919, 67.4773, 103.6164



79.8337, 73.1791, 92.6938



18.4645, 18.1312, 22.7764



23.5304, 11.0409, 50.3255



2.3689, 1.1151, 4.9037

Previews

White Background



This preview shows how the XYZ color 75.8839, 90.8752, 73.8628 looks on a white background.

Color Contrast Check

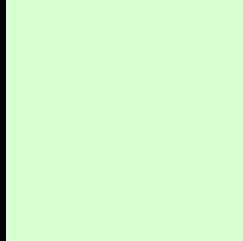
Large Text (above 18pt) WCAG AA × Fail

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 75.8839, 90.8752, 73.8628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

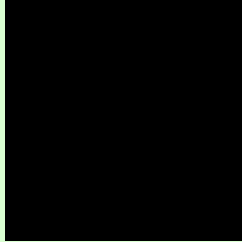
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

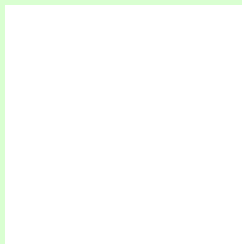
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8839, 90.8752, 73.8628

Background



This preview shows how black text looks on a background with the XYZ color 75.8839, 90.8752, 73.8628.



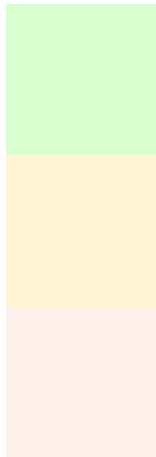
This preview shows how white text looks on a background with the XYZ color 75.8839, 90.8752,

73.8628.

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

75.8839, 90.8752, 73.8628

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

87.6907, 90.1688, 91.3798



Tritanopia

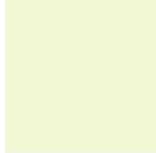
85.2945, 90.3577, 107.5530

Trichromacy



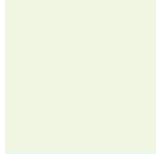
Original Color

75.8839, 90.8752, 73.8628



Protanomaly

81.6009, 90.5387, 74.8029



Deuteranomaly

82.9589, 90.1033, 84.9708



Tritanomaly

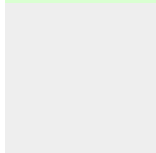
81.6214, 90.5824, 94.0712

Monochromacy



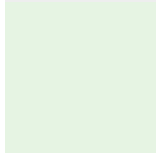
Original Color

75.8839, 90.8752, 73.8628



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8489, 87.0704, 85.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8839, 90.8752, 73.8628 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, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 209)  
}
```

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, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 75.8839, 90.8752, 73.8628 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, 255, 209) }
```


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

```
.border{ border-color:rgb(217, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8839, 90.8752, 73.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 209) }
```

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

```
.background{ background-color: rgb(217,  
255, 209) }
```

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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