

# Converting Colors

XYZ(72.9863, 82.8757, 97.7425)

Have a look what the booklet for  
XYZ(72.9863, 82.8757, 97.7425)  
contains.

<b>XYZ(72.9831, 82.8733, 97.7375)</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(72.9831, 82.8733,  
97.7375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF2F4
RGB	204, 242, 244
RGB Percent	80%, 95%, 96%
CMY	0.2000, 0.0510, 0.0431
CMYK	0.16, 0.01, 0.00, 0.04
HSL	183°, 65%, 88%
HSV	183°, 16%, 96%
XYZ	72.9831, 82.8733, 97.7375
YIQ	230.8660, -23.2900, -7.4340

# Conversions

## Conversions Part 2

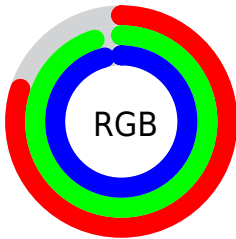
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 223, 244
Decimal	13431540
CIE <sub>Lab</sub>	92.96, -11.79, -5.07
CIE <sub>LCh</sub>	93, 12.835, 203.259
Yxy	82.8733, 0.2878, 0.3268
Android (android.graphics.Color)	4291621620 (0xFFCCCF2F4)
YUV	230.8660, 6.4751, -23.5615
Hunter-Lab	91.0348, -16.2064, 0.0689

# Details

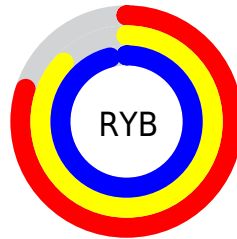
The XYZ color **72.9831, 82.8733, 97.7375** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2792, 67.7353, 66.4983**, and the grayscale version is **75.8237, 79.7725, 86.8722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0304, 45.1382, 54.2324** is the 20% darker color. If you saturate the color by 10%, you get **66.4516, 78.9720, 97.3300**, and if you desaturate by 10%, it is **80.5695, 87.3264, 98.1985**.

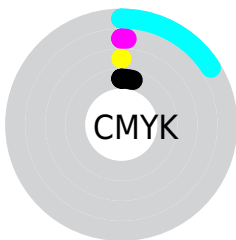
# Distribution



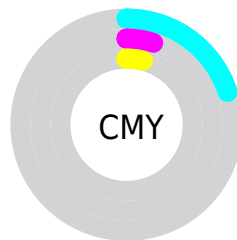
- Red (80%)
- Green (95%)
- Blue (96%)



- Red (80%)
- Yellow (87%)
- Blue (96%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9831, 82.8733, 97.7375 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 72.9831, 82.8733, 97.7375 by changing the saturation by 10% instead.



72.9831, 82.8733,  
97.7375

72.9831, 82.8733,  
97.7375

460.0609,  
504.5642, 574.0988

54.2505, 62.0856,  
73.8061

122.4565,  
137.3980, 160.0692

39.0334, 45.1019,  
54.1395

153.9279,  
171.9038, 199.3065

26.9666, 31.5377,  
38.3193

190.3764,  
211.7511, 244.4828

17.6846, 21.0086,  
25.9268

232.1672,  
257.3244, 296.0167

10.8221, 13.1303,  
16.5436

279.6657,  
309.0079, 354.3267

6.0137, 7.5183,  
9.7511

333.2372,

2.8942, 3.7883,

367.1861, 419.8314

5.1308

393.2472,  
432.2434, 492.9492

■ 1.0980, 1.5559,  
2.2641

■ 0.0235, 0.3276,  
0.7110

■ 72.9831, 82.8733,  
97.7375

■ 72.9831, 82.8733,  
97.7375

■ 66.4516, 78.9720,  
97.3300

■ 80.5695, 87.3264,  
98.1985

■ 60.9191, 75.5871,  
96.9683


■ 89.2491, 92.3445,  
98.7096


■ 56.3357, 72.6950,  
96.6516


■ 90.4215, 93.4960,  
98.8701


■ 52.6438, 70.2661,  
96.3774


■ 90.7925, 94.2381,  
98.9938


 49.7802, 68.2677,  
96.1426


 91.1660, 94.9850,  
99.1183


 47.6729, 66.6628,  
95.9439


 91.5419, 95.7367,  
99.2436


 46.2378, 65.4079,  
95.7773

 91.9202, 96.4934,  
99.3697

 45.3698, 64.4489,  
95.6380

 92.3010, 97.2549,  
99.4966

 45.1359, 64.1448,  
95.5916

 92.6842, 98.0214,  
99.6243

# Harmonies

## Analogous

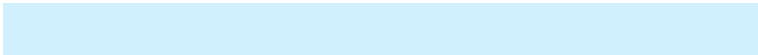
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5276, 82.8733, 88.0814



72.9831, 82.8733, 97.7375



74.9682, 82.8733, 105.8826

# Triad

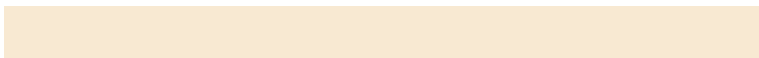
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9831, 82.8733, 97.7375



84.0579, 82.8733, 101.7572



79.5290, 82.8733, 73.0854

# Complementary

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



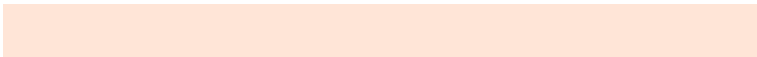
72.9831, 82.8733, 97.7375



70.2792, 67.7353, 66.4983

# 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.



82.6953, 82.8733, 76.2103



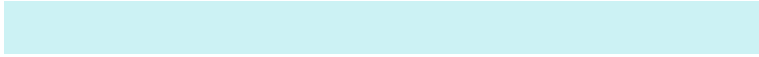
72.9831, 82.8733, 97.7375



85.3577, 82.8733, 92.4233

# Square

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



72.9831, 82.8733, 97.7375



81.3465, 82.8733, 108.3161



84.8520, 82.8733, 83.1265



76.2458, 82.8733, 74.2870

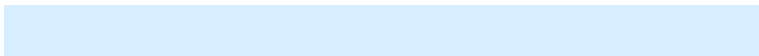


# Rectangle

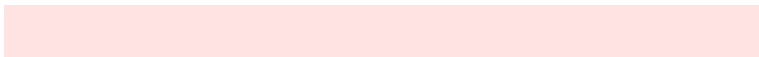
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



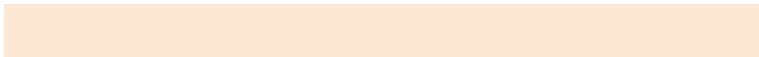
72.9831, 82.8733, 97.7375



76.9230, 82.8733, 109.1306



84.8520, 82.8733, 83.1265



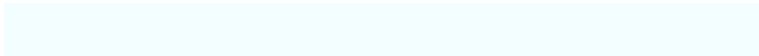
80.6435, 82.8733, 73.6569

# Sweetspot

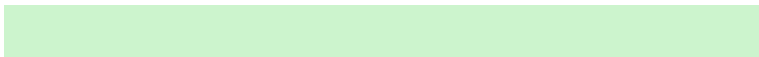
The Sweet Spot groups the original color and five complimentary colors.



72.9855, 82.8767, 97.7394



90.3111, 97.2561, 108.6201



68.3137, 81.9641, 70.1904



19.1930, 20.7370, 23.2410



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.



72.9855, 82.8767, 97.7394



77.9051, 89.9638, 107.8665



67.5311, 71.9679, 95.9212



16.9217, 18.6077, 21.2423



24.5730, 34.9398, 51.9869



2.1811, 3.1137, 4.5763



# Inverse Universe

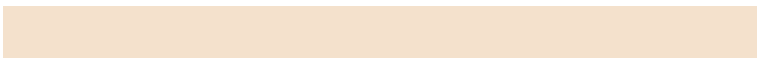
The Inverse Universe completely reimagines the original color for something new.



74.9300, 68.8313, 93.3449



80.4756, 71.5028, 102.0332



75.2241, 77.6251, 68.1466



17.1758, 16.7532, 20.6723



28.2078, 13.6266, 42.6643

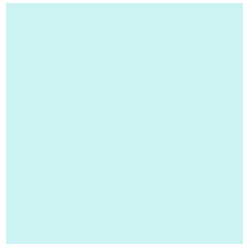


2.4900, 1.2020, 3.8066



# Previews

## White Background



This preview shows how the XYZ color 72.9831, 82.8733, 97.7375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

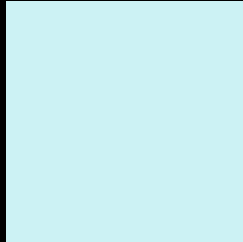
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9831, 82.8733, 97.7375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

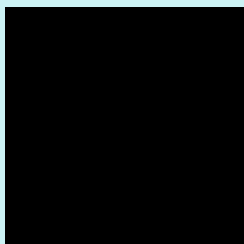
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

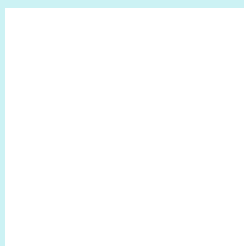
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.9831, 82.8733, 97.7375**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9831, 82.8733, 97.7375.



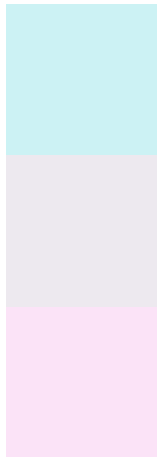
This preview shows how white text looks on a background with the XYZ color 72.9831, 82.8733,

97.7375.

# 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

72.9831, 82.8733, 97.7375

### Protanopia

79.6440, 82.5143, 93.3905

### Deuteranopia

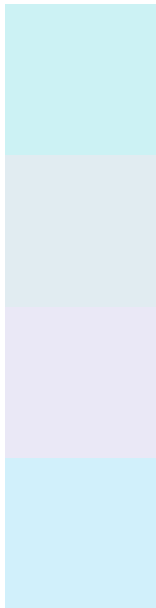
84.0412, 82.1628, 99.4252



## **Tritanopia**

76.0679, 82.9501, 106.6095

# Trichromacy



## Original Color

72.9831, 82.8733, 97.7375

## Protanomaly

76.9240, 82.3493, 95.0598

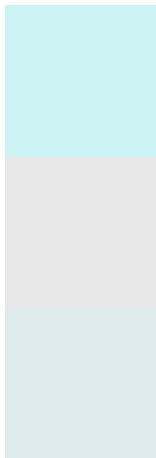
## Deuteranomaly

79.4228, 81.8595, 98.8032

## Tritanomaly

74.8672, 82.8405, 103.3107

# Monochromacy



## Original Color

72.9831, 82.8733, 97.7375

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.6674, 80.8449, 91.0261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9831, 82.8733, 97.7375 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(204, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(204, 242, 244)  
}
```

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(204, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 242, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9831, 82.8733, 97.7375 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(204, 242, 244) }
```



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

```
.border{ border-color:rgb(204, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 242, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(204, 242,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9831, 82.8733, 97.7375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 242, 244) }
```

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

```
.background{ background-color: rgb(204,  
242, 244) }
```

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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