

# Converting Colors

XYZ(72.7500, 82.1437, 88.9976)

Have a look what the booklet for  
XYZ(72.7500, 82.1437, 88.9976)  
contains.

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# Color

**XYZ(72.7320, 82.0523,  
89.0951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F0E9
RGB	211, 240, 233
RGB Percent	83%, 94%, 91%
CMY	0.1725, 0.0588, 0.0863
CMYK	0.12, 0.00, 0.03, 0.06
HSL	166°, 49%, 88%
HSV	166°, 12%, 94%
XYZ	72.7320, 82.0523, 89.0951
YIQ	230.5310, -15.0370, -8.3250

# Conversions

## Conversions Part 2

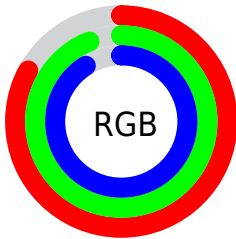
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 227, 240
Decimal	13889769
CIE Lab	92.60, -10.76, 0.17
CIE LCh	93, 10.763, 179.085
Yxy	82.0523, 0.2982, 0.3364
Android (android.graphics.Color)	4292079849 (0xFFD3F0E9)
YUV	230.5310, 1.2172, -17.1287
Hunter-Lab	90.5827, -15.1959, 5.0916

# Details

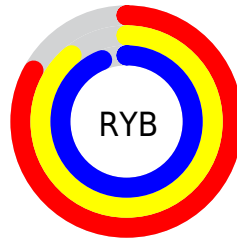
The XYZ color **72.7320, 82.0523, 89.0951** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8872, 70.1778, 76.0901**, and the grayscale version is **75.6084, 79.5459, 86.6255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7866, 44.5232, 48.1445** is the 20% darker color. If you saturate the color by 10%, you get **65.5491, 78.4457, 84.5091**, and if you desaturate by 10%, it is **80.9734, 86.2059, 93.8760**.

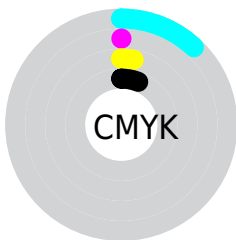
# Distribution



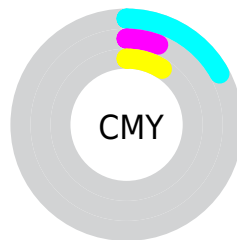
- Red (83%)
- Green (94%)
- Blue (91%)



- Red (83%)
- Yellow (89%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7320, 82.0523, 89.0951 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 72.7320, 82.0523, 89.0951 by changing the saturation by 10% instead.



72.7320, 82.0523,  
89.0951

72.7320, 82.0523,  
89.0951

459.2036,  
501.8226, 545.5768

54.0444, 61.4086,  
66.6609

122.1019,  
136.2473, 148.0053

38.8680, 44.5550,  
48.3492

153.5149,  
170.5675, 185.3184

26.8373, 31.1071,  
33.7416

189.9004,  
210.2153, 228.4282

17.5870, 20.6804,  
22.4194

231.6239,  
255.5752, 277.7533

10.7518, 12.8906,  
13.9641

279.0505,  
307.0314, 333.7121

5.9663, 7.3533,  
7.9573

332.5458,

2.8650, 3.6840,

364.9685, 396.7233

3.9802

392.4751,  
429.7707, 467.2053

■ 1.0828, 1.4984,  
1.6145

■ 0.0107, 0.2876,  
0.3011

■ 72.7320, 82.0523,  
89.0951

■ 72.7320, 82.0523,  
89.0951

■ 65.5491, 78.4457,  
84.5091

■ 80.9734, 86.2059,  
93.8760

■ 59.3720, 75.3523,  
80.1091

■ 88.8210, 90.1510,  
98.7801

■ 54.1541, 72.7503,  
75.8932

■ 89.7179, 90.5098,  
103.5035

■ 49.8422, 70.6123,  
71.8577

■ 90.4517, 90.8033,  
107.3672

■ 46.3779, 68.9082,  
67.9983

■ 43.6958, 67.6043,  
64.3105

■ 41.7204, 66.6619,  
60.7894

■ 40.3611, 66.0341,  
57.4293

■ 39.6104, 65.7028,  
54.8775

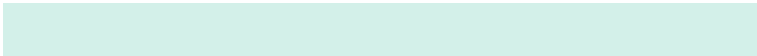
# Harmonies

## Analogous

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



73.4633, 82.0523, 81.6568



72.7320, 82.0523, 89.0951



73.3808, 82.0523, 97.0416

# Triad

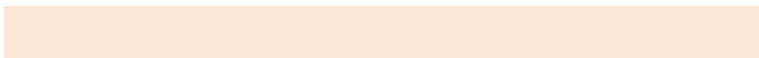
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7320, 82.0523, 89.0951



80.6326, 82.0523, 103.4929



80.7849, 82.0523, 76.7641

# Complementary

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



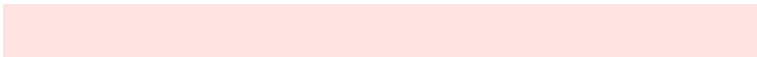
72.7320, 82.0523, 89.0951



71.8872, 70.1778, 76.0901

# 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.



82.7846, 82.0523, 82.0590



72.7320, 82.0523, 89.0951



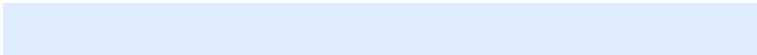
82.6952, 82.0523, 97.4927

# Square

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



72.7320, 82.0523, 89.0951



77.9023, 82.0523, 105.6483



83.4918, 82.0523, 89.5874



78.0742, 82.0523, 74.8045

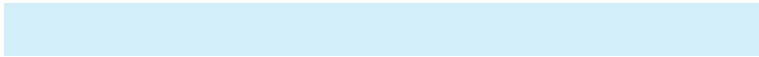


# Rectangle

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



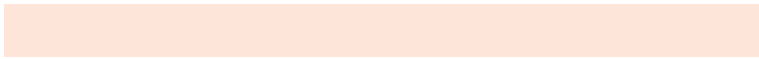
72.7320, 82.0523, 89.0951



74.5177, 82.0523, 101.4967



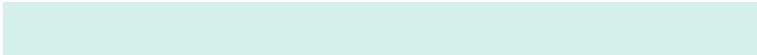
83.4918, 82.0523, 89.5874



81.5649, 82.0523, 78.1968

# Sweetspot

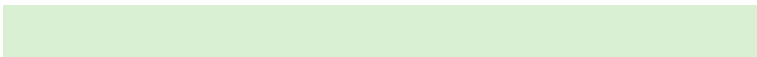
The Sweet Spot groups the original color and five complimentary colors.



72.7343, 82.0557, 89.0969



91.0024, 97.9589, 106.6539



71.9088, 81.9710, 73.6611



19.3202, 20.8875, 22.7388



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

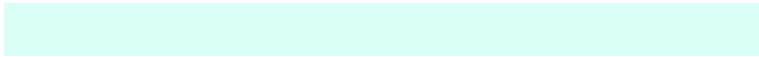


# Same Dimension

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



72.7343, 82.0557, 89.0969



80.8993, 92.8727, 100.6611



71.6628, 78.2796, 93.7747



16.0747, 17.8599, 19.4161



21.7371, 35.9869, 30.3284



1.8469, 3.0092, 2.7263



# Inverse Universe

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



71.8872, 70.1778, 76.0901



79.7141, 76.2472, 82.4575



72.8320, 73.5033, 71.9780



15.9293, 15.8214, 17.1837



20.1324, 10.3254, 3.3479

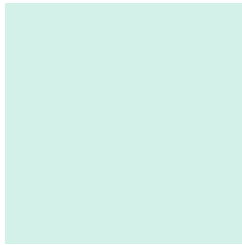


1.7127, 0.8741, 0.4780



# Previews

## White Background



This preview shows how the XYZ color 72.7320, 82.0523, 89.0951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

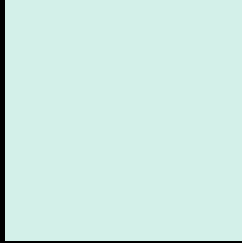
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7320, 82.0523, 89.0951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

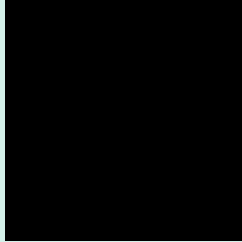
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

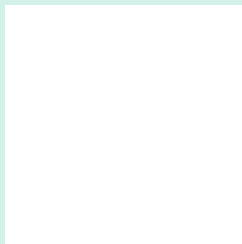
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7320, 82.0523, 89.0951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7320, 82.0523, 89.0951.



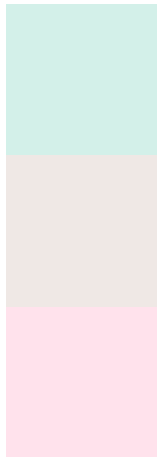
This preview shows how white text looks on a background with the XYZ color 72.7320, 82.0523,



# 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

72.7320, 82.0523, 89.0951

### Protanopia

78.5961, 81.7211, 85.7600

### Deuteranopia

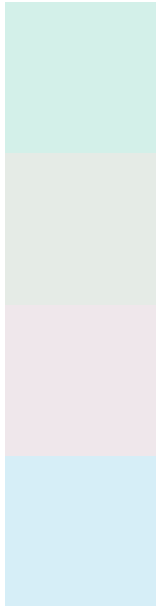
83.5767, 81.7088, 90.7233



## Tritanopia

76.3585, 82.2354, 106.4562

# Trichromacy



## Original Color

72.7320, 82.0523, 89.0951

## Protanomaly

76.3044, 81.7878, 86.6279

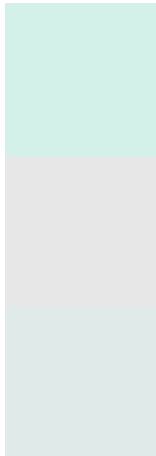
## Deuteranomaly

79.1679, 81.5007, 90.1559

## Tritanomaly

75.0946, 82.1606, 99.8964

# Monochromacy



## Original Color

72.7320, 82.0523, 89.0951

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.7288, 80.5191, 87.9470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7320, 82.0523, 89.0951 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(211, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(211, 240, 233)  
}
```

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(211, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 240, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7320, 82.0523, 89.0951 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(211, 240, 233) }
```



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

```
.border{ border-color:rgb(211, 240, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 240, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(211, 240,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7320, 82.0523, 89.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 240, 233) }
```

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

```
.background{ background-color: rgb(211,  
240, 233) }
```

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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