

Converting Colors

XYZ(69.3637, 81.3045, 89.1610)

Have a look what the booklet for
XYZ(69.3637, 81.3045, 89.1610)
contains.

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Color

**XYZ(69.2251, 81.1232,
89.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F2E9
RGB	196, 242, 233
RGB Percent	77%, 95%, 91%
CMY	0.2314, 0.0510, 0.0863
CMYK	0.19, 0.00, 0.04, 0.05
HSL	168°, 64%, 86%
HSV	168°, 19%, 95%
XYZ	69.2251, 81.1232, 89.1006
YIQ	227.2200, -24.5270, -12.5510

Conversions

Conversions Part 2

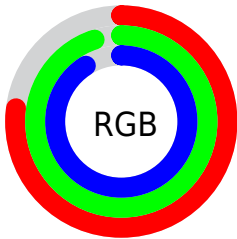
Format	Color
R_{YB}	196, 221, 242
Decimal	12907241
CIE _{Lab}	92.19, -16.46, -0.54
CIE _{LCh}	92, 16.469, 181.884
Yxy	81.1232, 0.2891, 0.3388
Android (android.graphics.Color)	4291097321 (0xFFC4F2E9)
YUV	227.2200, 2.8495, -27.3799
Hunter-Lab	90.0684, -20.4276, 4.3950

Details

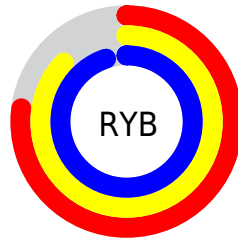
The XYZ color **69.2251, 81.1232, 89.1006** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3802, 62.7671, 66.3251**, and the grayscale version is **73.1683, 76.9788, 83.8299**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.6500, 44.0429, 48.1644** is the 20% darker color. If you saturate the color by 10%, you get **62.7639, 77.8716, 85.3149**, and if you desaturate by 10%, it is **76.7244, 84.9122, 93.0331**.

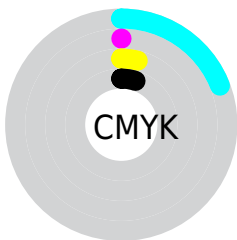
Distribution



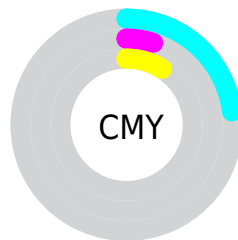
- Red (77%)
- Green (95%)
- Blue (91%)



- Red (77%)
- Yellow (87%)
- Blue (95%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (23%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2251, 81.1232, 89.1006 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 69.2251, 81.1232, 89.1006 by changing the saturation by 10% instead.

69.2251, 81.1232,
89.1006

69.2251, 81.1232,
89.1006

447.1335,
498.7101, 545.5952

51.1724, 60.6431,
66.6654

117.1353,
134.9437, 148.0130

36.5674, 43.9372,
48.3529

147.7235,
169.0529, 185.3274

25.0449, 30.6211,
33.7445

183.2210,
208.4740, 228.4385

16.2394, 20.3105,
22.4216

223.9929,
253.5912, 277.7650

9.7856, 12.6210,
13.9657

270.4048,
304.7890, 333.7254

5.3182, 7.1681,
7.9584

322.8219,

2.4718, 3.5674,

362.4518, 396.7382

3.9809

381.6097,
426.9641, 467.2219

■ 0.8811, 1.4347,
1.6149

■ 0.0000, 0.2421,
0.3014

■ 69.2251, 81.1232,
89.1006

■ 69.2251, 81.1232,
89.1006

■ 62.7639, 77.8716,
85.3149

■ 76.7244, 84.9122,
93.0331

■ 57.2851, 75.1223,
81.6675

■ 85.3003, 89.2519,
97.1099

■ 52.7384, 72.8513,
78.1571

■ 89.8146, 91.4956,
101.0928

■ 49.0659, 71.0291,
74.7802

■ 90.5559, 91.7921,
104.9962

■ 46.2036, 69.6224,
71.5330

■ 91.0436, 91.9872,
107.5645

■ 44.0780, 68.5935,
68.4114

■ 42.6026, 67.8978,
65.4105

■ 41.6465, 67.4678,
62.5235

■ 41.5635, 67.4311,
62.2427

Harmonies

Analogous

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



70.1220, 81.1232, 77.7560



69.2251, 81.1232, 89.1006



70.3744, 81.1232, 101.2724

Triad

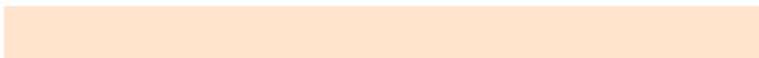
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2251, 81.1232, 89.1006



81.5011, 81.1232, 109.7223



81.0195, 81.1232, 69.2593

Complementary

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



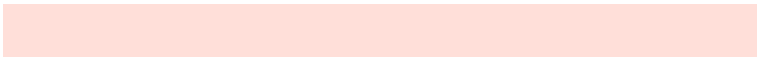
69.2251, 81.1232, 89.1006



67.3802, 62.7671, 66.3251

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.



84.2520, 81.1232, 76.5390



69.2251, 81.1232, 89.1006



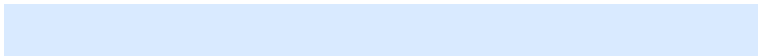
84.5372, 81.1232, 99.8203

Square

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



69.2251, 81.1232, 89.1006



77.3740, 81.1232, 113.8371



85.5616, 81.1232, 87.5626



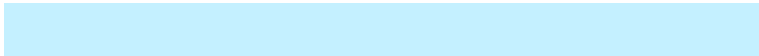
76.8370, 81.1232, 66.9485

Rectangle

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



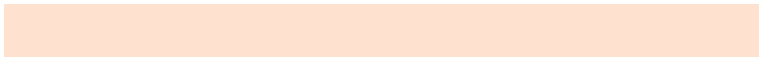
69.2251, 81.1232, 89.1006



72.1717, 81.1232, 108.0448



85.5616, 81.1232, 87.5626



82.2585, 81.1232, 71.1712

Sweetspot

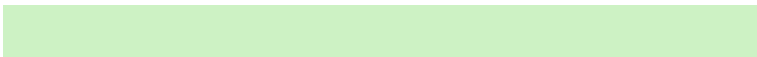
The Sweet Spot groups the original color and five complimentary colors.



69.2274, 81.1266, 89.1024



89.1650, 97.0214, 106.1277



66.9505, 80.5008, 64.2356



18.9536, 20.7002, 22.6519



0.0000, 0.0000, 0.0000



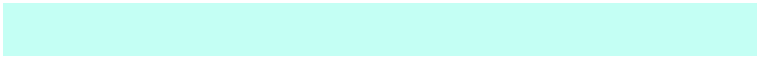
20.3446, 21.4041, 23.3091

Same Dimension

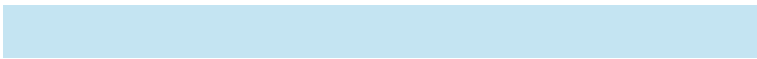
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2274, 81.1266, 89.1024



74.8727, 89.8054, 98.5956



66.5930, 73.7464, 94.7329



16.1070, 17.8728, 19.5864



22.3765, 36.2426, 33.6954



1.8950, 3.0284, 2.9795

Inverse Universe

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



67.3802, 62.7671, 66.3251



72.4230, 65.4436, 68.3786



69.5818, 68.8598, 61.8500



15.8992, 15.8094, 17.0256



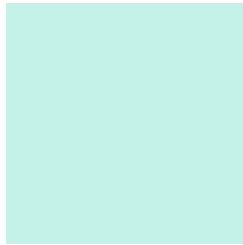
19.9889, 10.2680, 2.5920



1.6968, 0.8678, 0.3940

Previews

White Background



This preview shows how the XYZ color 69.2251, 81.1232, 89.1006 looks on a white background.

Color Contrast Check

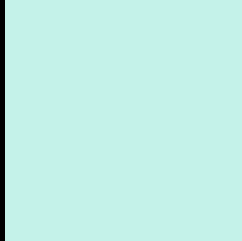
Large Text (above 18pt) WCAG AA × Fail

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 69.2251, 81.1232, 89.1006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

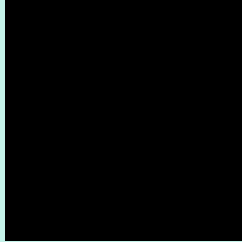
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

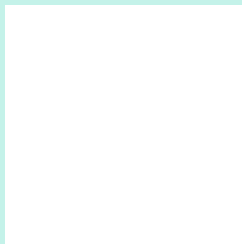
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.2251, 81.1232, 89.1006

Background



This preview shows how black text looks on a background with the XYZ color 69.2251, 81.1232, 89.1006.

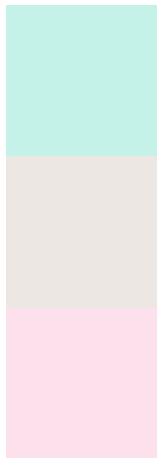


This preview shows how white text looks on a background with the XYZ color 69.2251, 81.1232,

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

69.2251, 81.1232, 89.1006

Protanopia

77.3661, 80.7024, 84.1725

Deuteranopia

82.3562, 80.6603, 91.3491



Tritanopia

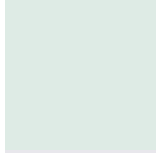
73.5264, 81.2064, 106.4069

Trichromacy



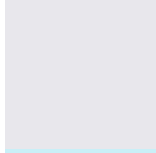
Original Color

69.2251, 81.1232, 89.1006



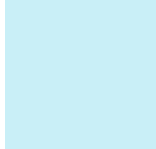
Protanomaly

73.9754, 80.6034, 85.7878



Deuteranomaly

76.9949, 80.3638, 90.8106



Tritanomaly

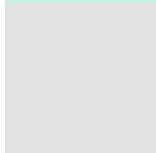
71.7424, 80.8659, 99.8231

Monochromacy



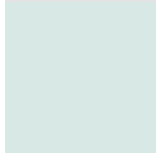
Original Color

69.2251, 81.1232, 89.1006



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.3184, 77.9693, 85.4194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2251, 81.1232, 89.1006 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(196, 242, 233)` looks like.

```
.text, #text, p{  
    color:rgb(196, 242, 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(196, 242, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 242, 233) }
```

Border

The CSS property to change the border of an element to XYZ 69.2251, 81.1232, 89.1006 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(196, 242, 233) }
```


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

```
.border{ border-color:rgb(196, 242, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 242, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 242, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 242, 233);  
box-shadow:4px 4px 4px 4px rgb(196, 242,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2251, 81.1232, 89.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 242, 233) }
```

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

```
.background{ background-color: rgb(196,  
242, 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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