

Converting Colors

XYZ(68.8572, 74.8254, 87.9051)

Have a look what the booklet for
XYZ(68.8572, 74.8254, 87.9051)
contains.

XYZ(69.0297, 75.0716, 87.9428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.0297, 75.0716,
87.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E4E9
RGB	210, 228, 233
RGB Percent	82%, 89%, 91%
CMY	0.1765, 0.1059, 0.0863
CMYK	0.10, 0.02, 0.00, 0.09
HSL	193°, 34%, 87%
HSV	193°, 10%, 91%
XYZ	69.0297, 75.0716, 87.9428
YIQ	223.1880, -12.3330, -2.2610

Conversions

Conversions Part 2

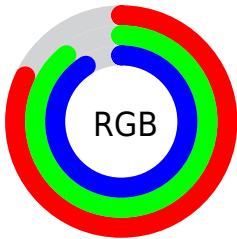
Format	Color
R _Y B	210, 220, 233
Decimal	13821161
CIE Lab	89.43, -4.99, -4.49
CIE LCh	89, 6.708, 221.971
Yxy	75.0716, 0.2975, 0.3235
Android (android.graphics.Color)	4292011241 (0xFFD2E4E9)
YUV	223.1880, 4.8373, -11.5659
Hunter-Lab	86.6439, -9.4147, 0.4719

Details

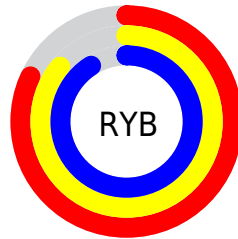
The XYZ color **69.0297, 75.0716, 87.9428** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5379, 70.5773, 70.9318**, and the grayscale version is **70.2476, 73.9059, 80.4836**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3970, 40.0300, 47.4032** is the 20% darker color. If you saturate the color by 10%, you get **61.5013, 69.1555, 87.1988**, and if you desaturate by 10%, it is **77.5690, 81.5735, 88.7489**.

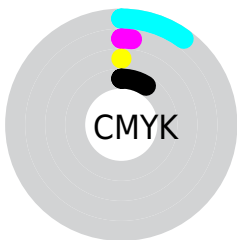
Distribution



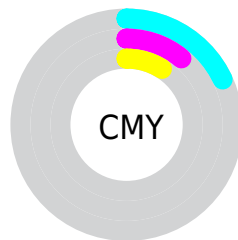
- Red (82%)
- Green (89%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0297, 75.0716, 87.9428 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 69.0297, 75.0716, 87.9428 by changing the saturation by 10% instead.

■ 69.0297, 75.0716,
87.9428

■ 69.0297, 75.0716,
87.9428

446.4555,
478.1636, 541.7123

■ 51.0126, 55.6716,
65.7116

116.8578,
126.4137, 146.3880

■ 36.4397, 39.9396,
47.5833

147.3996,
159.1246, 183.4390

■ 24.9457, 27.4915,
33.1394

182.8470,
197.0411, 226.2671

■ 16.1651, 17.9427,
21.9613

223.5653,
240.5478, 275.2908

■ 9.7327, 10.9088,
13.6304

269.9200,
290.0290, 330.9287

■ 5.2830, 6.0056,
7.7283

322.2763,

■ 2.4507, 2.8485,

345.8691, 393.5992

3.8363

380.9997,
408.4525, 463.7209

■ 0.8705, 1.0531,
1.5360

■ 0.0000, 0.0000,
0.2445

■ 69.0297, 75.0716,
87.9428

■ 69.0297, 75.0716,
87.9428

■ 61.5013, 69.1555,
87.1988

■ 77.5690, 81.5735,
88.7489

■ 54.9355, 63.7935,
86.5099

■ 86.5602, 88.3673,
89.5863

■ 49.2894, 58.9652,
85.8756

■ 88.0559, 91.3586,
90.0849

■ 44.5145, 54.6451,
85.2933

■ 89.5933, 94.4334,
90.5974

■ 40.5574, 50.8050,
84.7607

■ 91.1728, 97.5924,
91.1239

■ 37.3590, 47.4138,
84.2747

■ 91.7082, 98.6633,
91.3023

■ 34.8514, 44.4362,
83.8321

■ 32.9542, 41.8301,
83.4291

■ 31.5319, 39.5250,
83.0591

Harmonies

Analogous

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



68.3066, 75.0716, 83.6317



69.0297, 75.0716, 87.9428



70.3798, 75.0716, 90.6510

Triad

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



69.0297, 75.0716, 87.9428



74.4004, 75.0716, 84.5731



70.6999, 75.0716, 73.2032

Complementary

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



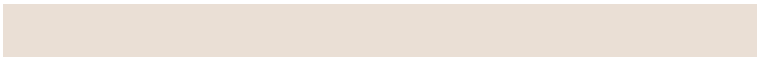
69.0297, 75.0716, 87.9428



69.5379, 70.5773, 70.9318

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.



72.3357, 75.0716, 73.4334



69.0297, 75.0716, 87.9428



74.4893, 75.0716, 79.8775

Square

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



69.0297, 75.0716, 87.9428



73.4874, 75.0716, 88.6547



73.7285, 75.0716, 75.8363



69.2609, 75.0716, 75.1949

Rectangle

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



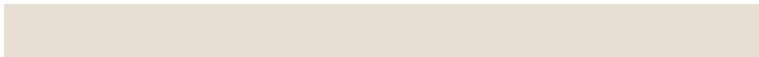
69.0297, 75.0716, 87.9428



71.4621, 75.0716, 91.1221



73.7285, 75.0716, 75.8363



71.2447, 75.0716, 73.0254

Sweetspot

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



69.0319, 75.0748, 87.9445



91.7634, 97.5221, 108.5949



67.9821, 76.8862, 75.5375



19.4573, 20.7344, 23.2266



0.0000, 0.0000, 0.0000



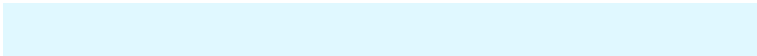
20.3446, 21.4041, 23.3091

Same Dimension

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



69.0319, 75.0748, 87.9445



82.5904, 90.4829, 107.7197



65.9760, 68.9630, 86.9258



15.2239, 16.5342, 19.3113



17.9767, 22.6003, 47.1578



1.4803, 1.9121, 3.7259

Inverse Universe

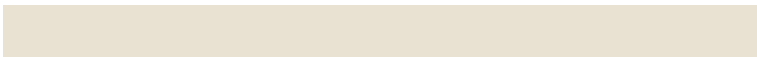
The Inverse Universe completely reimagines the original color for something new.



70.6561, 69.0198, 83.0006



85.0013, 81.5858, 100.3613



72.5663, 76.6340, 71.9412



15.5666, 15.2545, 18.2688



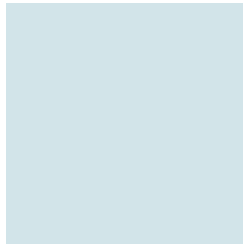
23.9291, 11.7743, 26.4917



1.9137, 0.9384, 2.2629

Previews

White Background



This preview shows how the XYZ color 69.0297, 75.0716, 87.9428 looks on a white background.

Color Contrast Check

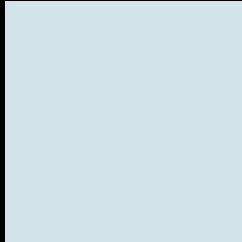
Large Text (above 18pt) WCAG AA × Fail

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 69.0297, 75.0716, 87.9428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

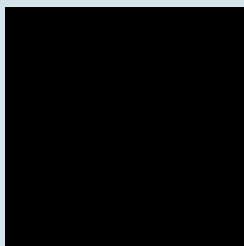
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

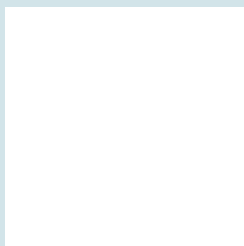
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0297, 75.0716, 87.9428

Background



This preview shows how black text looks on a background with the XYZ color 69.0297, 75.0716, 87.9428.

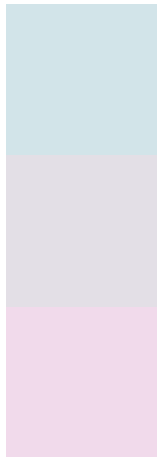


This preview shows how white text looks on a background with the XYZ color 69.0297, 75.0716,

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

69.0297, 75.0716, 87.9428

Protanopia

72.3492, 74.8194, 85.4913

Deuteranopia

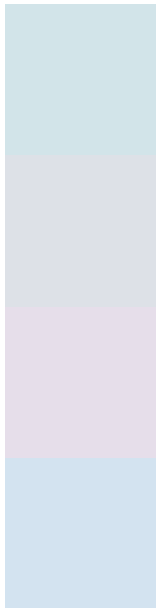
76.3424, 74.8417, 89.0195



Tritanopia

70.6769, 74.9214, 96.3242

Trichromacy



Original Color

69.0297, 75.0716, 87.9428

Protanomaly

71.1678, 74.9921, 86.3253

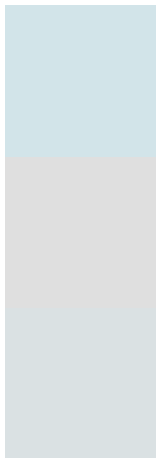
Deuteranomaly

73.6057, 75.0061, 88.4401

Tritanomaly

70.0612, 75.0783, 93.2370

Monochromacy



Original Color

69.0297, 75.0716, 87.9428

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.7038, 74.3019, 83.3410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0297, 75.0716, 87.9428 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(210, 228, 233) looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 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(210, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 233) }
```

Border

The CSS property to change the border of an element to XYZ 69.0297, 75.0716, 87.9428 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(210, 228, 233) }
```


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

```
.border{ border-color:rgb(210, 228, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0297, 75.0716, 87.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 233) }
```

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

```
.background{ background-color: rgb(210,  
228, 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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