

Converting Colors

XYZ(69.1617, 73.7463, 90.0997)

Have a look what the booklet for
XYZ(69.1617, 73.7463, 90.0997)
contains.

XYZ(69.2169, 73.9036, 89.9736)	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(69.2169, 73.9036,
89.9736)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E1EC
RGB	212, 225, 236
RGB Percent	83%, 88%, 93%
CMY	0.1686, 0.1176, 0.0745
CMYK	0.10, 0.05, 0.00, 0.07
HSL	207°, 39%, 88%
HSV	207°, 10%, 93%
XYZ	69.2169, 73.9036, 89.9736
YIQ	222.3670, -11.2790, 0.6650

Conversions

Conversions Part 2

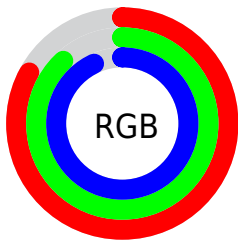
Format	Color
R _Y B	212, 220, 236
Decimal	13951468
CIE Lab	88.88, -2.21, -6.86
CIE LCh	89, 7.205, 252.117
Yxy	73.9036, 0.2969, 0.3171
Android (android.graphics.Color)	4292141548 (0xFFD4E1EC)
YUV	222.3670, 6.7211, -9.0919
Hunter-Lab	85.9672, -6.7225, -1.8761

Details

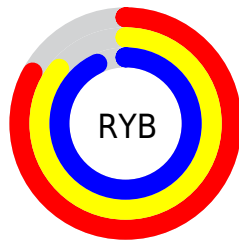
The XYZ color **69.2169, 73.9036, 89.9736** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8638, 75.3612, 72.9945**, and the grayscale version is **69.6520, 73.2793, 79.8012**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5176, 39.2128, 48.8242** is the 20% darker color. If you saturate the color by 10%, you get **60.0738, 64.9888, 88.7359**, and if you desaturate by 10%, it is **79.5439, 83.7075, 91.3228**.

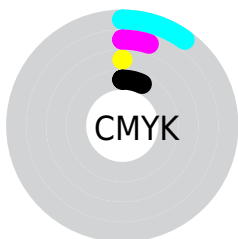
Distribution



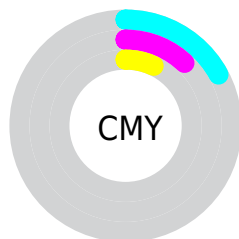
- Red (83%)
- Green (88%)
- Blue (93%)



- Red (83%)
- Yellow (86%)
- Blue (93%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (17%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2169, 73.9036, 89.9736 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 69.2169, 73.9036, 89.9736 by changing the saturation by 10% instead.

■ 69.2169, 73.9036,
89.9736

■ 69.2169, 73.9036,
89.9736

447.1050,
474.1406, 548.5129

■ 51.1657, 54.7151,
67.3852

117.1237,
124.7591, 149.2369

■ 36.5620, 39.1737,
48.9341

147.7100,
157.1950, 186.7489

■ 25.0407, 26.8949,
34.2020

183.2053,
194.8155, 230.0724

■ 16.2363, 17.4943,
22.7702

223.9750,
238.0050, 279.6261

■ 9.7834, 10.5875,
14.2202

270.3845,
287.1478, 335.8284

■ 5.3167, 5.7902,
8.1335

322.7991,

■ 2.4709, 2.7179,

342.6284, 399.0980

4.0915

381.5841,
404.8312, 469.8533

■ 0.8806, 0.9863,
1.6757

■ 0.0000, 0.0000,
0.3440

■ 69.2169, 73.9036,
89.9736

■ 69.2169, 73.9036,
89.9736

■ 60.0738, 64.9888,
88.7359

■ 79.5439, 83.7075,
91.3228

■ 52.0617, 56.9250,
87.6017

■ 89.5289, 93.6129,
92.7085

■ 45.1332, 49.6843,
86.5693

■ 92.1405, 98.8362,
93.5790

■ 39.2347, 43.2339,
85.6351

■ 34.3079, 37.5382,
84.7954

■ 30.2877, 32.5579,
84.0460

■ 27.1003, 28.2492,
83.3823

■ 24.6585, 24.5607,
82.7991

■ 22.8423, 21.4598,
82.2963

Harmonies

Analogous

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



67.7813, 73.9036, 87.0929



69.2169, 73.9036, 89.9736



70.9505, 73.9036, 90.2436

Triad

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



69.2169, 73.9036, 89.9736



73.5782, 73.9036, 78.4663



68.0148, 73.9036, 73.5426

Complementary

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



69.2169, 73.9036, 89.9736



72.8638, 75.3612, 72.9945

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.



69.5405, 73.9036, 71.4260



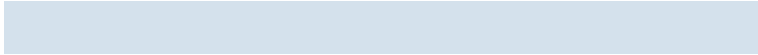
69.2169, 73.9036, 89.9736



72.7639, 73.9036, 74.1888

Square

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



69.2169, 73.9036, 89.9736



73.4881, 73.9036, 83.4583



71.2795, 73.9036, 71.6575



67.0952, 73.9036, 77.5509

Rectangle

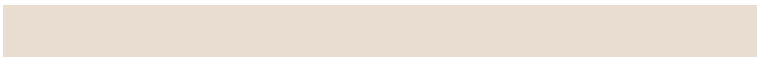
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2169, 73.9036, 89.9736



72.0439, 73.9036, 88.8929



71.2795, 73.9036, 71.6575



68.4727, 73.9036, 72.5939

Sweetspot

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



69.2191, 73.9067, 89.9752



91.1833, 96.3618, 108.4015



70.4404, 79.3062, 81.2670



19.3005, 20.4208, 23.1743



0.0000, 0.0000, 0.0000



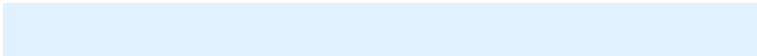
20.3446, 21.4041, 23.3091

Same Dimension

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



69.2191, 73.9067, 89.9752



80.3637, 86.0296, 106.9775



66.1376, 67.7437, 88.9481



14.9074, 15.9012, 19.2058



12.7221, 12.0912, 45.4063



1.0950, 1.1415, 3.5975

Inverse Universe

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



71.7278, 70.3576, 81.0377



83.8774, 81.1362, 94.4429



76.1280, 81.8898, 74.0826



15.4068, 15.1906, 17.4275



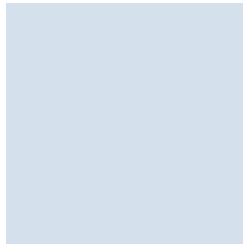
21.2768, 10.7134, 12.5250



1.7192, 0.8607, 1.2388

Previews

White Background



This preview shows how the XYZ color 69.2169, 73.9036, 89.9736 looks on a white background.

Color Contrast Check

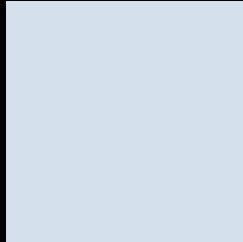
Large Text (above 18pt) WCAG AA × Fail

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 69.2169, 73.9036, 89.9736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

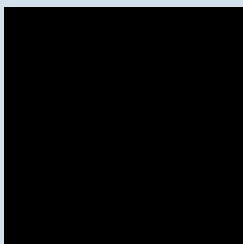
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

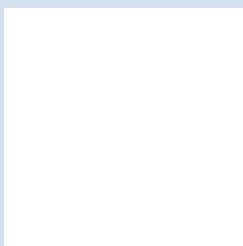
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.2169, 73.9036, 89.9736

Background



This preview shows how black text looks on a background with the XYZ color 69.2169, 73.9036, 89.9736.

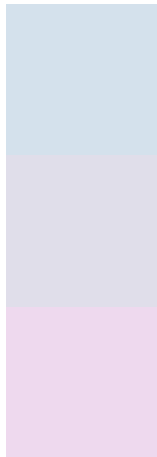


This preview shows how white text looks on a background with the XYZ color 69.2169, 73.9036,

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

69.2169, 73.9036, 89.9736

Protanopia

71.7130, 74.0304, 88.3515

Deuteranopia

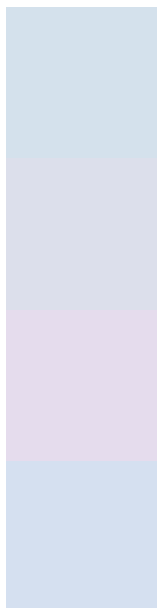
75.5054, 73.9759, 91.1881



Tritanopia

70.1232, 73.8682, 94.5665

Trichromacy



Original Color

69.2169, 73.9036, 89.9736

Protanomaly

70.8983, 73.9892, 89.1419

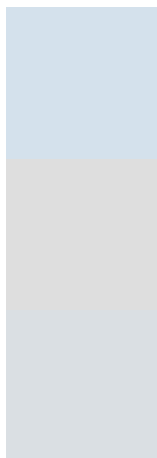
Deuteranomaly

73.1924, 73.9588, 90.5386

Tritanomaly

69.8244, 73.7487, 92.9929

Monochromacy



Original Color

69.2169, 73.9036, 89.9736

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.1662, 73.2268, 83.1618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2169, 73.9036, 89.9736 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(212, 225, 236) looks like.

```
.text, #text, p{  
    color:rgb(212, 225, 236)  
}
```

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(212, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 225, 236) }
```

Border

The CSS property to change the border of an element to XYZ 69.2169, 73.9036, 89.9736 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(212, 225, 236) }
```


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

```
.border{ border-color:rgb(212, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 225, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 225, 236); box-shadow:4px 4px 4px 4px rgb(212, 225, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2169, 73.9036, 89.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 225, 236) }
```

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

```
.background{ background-color: rgb(212,  
225, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor