

Converting Colors

XYZ(68.9022, 70.8443, 89.4313)

Have a look what the booklet for
XYZ(68.9022, 70.8443, 89.4313)
contains.

XYZ(69.1252, 71.1044, 89.4381)	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(69.1252, 71.1044,
89.4381)**

Conversions

Conversions Part 1

Format	Color
Hex	DADAEC
RGB	218, 218, 236
RGB Percent	85%, 85%, 93%
CMY	0.1451, 0.1451, 0.0745
CMYK	0.08, 0.08, 0.00, 0.07
HSL	240°, 32%, 89%
HSV	240°, 8%, 93%
XYZ	69.1252, 71.1044, 89.4381
YIQ	220.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

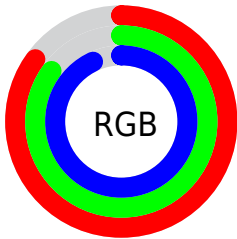
Format	Color
R _Y B	218, 218, 236
Decimal	14342892
CIE Lab	87.54, 3.37, -8.80
CIE LCh	88, 9.419, 290.963
Yxy	71.1044, 0.3010, 0.3096
Android (android.graphics.Color)	4292532972 (0xFFDADAEC)
YUV	220.0520, 7.8624, -1.7996
Hunter-Lab	84.3234, -1.2383, -3.8599

Details

The XYZ color **69.1252, 71.1044, 89.4381** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.2426, 82.8851, 78.2583**, and the grayscale version is **68.0153, 71.5574, 77.9260**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4397, 37.2762, 48.4545** is the 20% darker color. If you saturate the color by 10%, you get **56.8749, 56.3447, 87.2360**, and if you desaturate by 10%, it is **83.2556, 88.1302, 91.9808**.

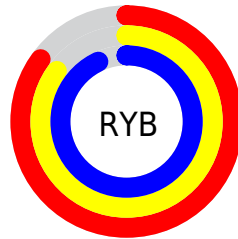
Distribution



Red (85%)

Green (85%)

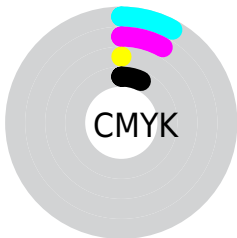
Blue (93%)



Red (85%)

Yellow (85%)

Blue (93%)

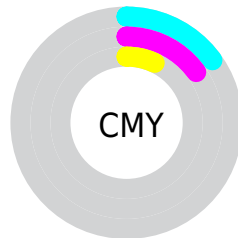


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1252, 71.1044, 89.4381 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 69.1252, 71.1044, 89.4381 by changing the saturation by 10% instead.

■ 69.1252, 71.1044,
89.4381

■ 69.1252, 71.1044,
89.4381

446.7869,
464.4183, 546.7242

■ 51.0907, 52.4274,
66.9436

116.9935,
120.7824, 148.4863

■ 36.5021, 37.3459,
48.5775

147.5579,
152.5521, 185.8772

■ 24.9941, 25.4754,
33.9212

183.0298,
189.4549, 229.0705

■ 16.2014, 16.4316,
22.5562

223.7743,
231.8751, 278.4850

■ 9.7585, 9.8301,
14.0639

270.1570,
280.1972, 334.5390

■ 5.3002, 5.2864,
8.0259

322.5430,

■ 2.4610, 2.4163,

334.8055, 397.6512

4.0235

381.2979,
396.0844, 468.2401

■ 0.8756, 0.8342,
1.6383

■ 0.0000, 0.0000,
0.3179

■ 69.1252, 71.1044,
89.4381

■ 69.1252, 71.1044,
89.4381

■ 56.8749, 56.3447,
87.2360

■ 83.2556, 88.1302,
91.9808

■ 46.4196, 43.7472,
85.3554

■ 92.1405, 98.8362,
93.5789

■ 37.6769, 33.2130,
83.7829

■ 30.5555, 24.6322,
82.5020

■ 24.9558, 17.8848,
81.4948

■ 20.7671, 12.8374,
80.7413

■ 17.8638, 9.3387,
80.2190

■ 16.0981, 7.2108,
79.9013

■ 15.2719, 6.2148,
79.7526

Harmonies

Analogous

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



66.9127, 71.1044, 90.1657



69.1252, 71.1044, 89.4381



70.9613, 71.1044, 85.3987

Triad

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



69.1252, 71.1044, 89.4381



70.3137, 71.1044, 68.2860



63.4439, 71.1044, 75.5116

Complementary

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



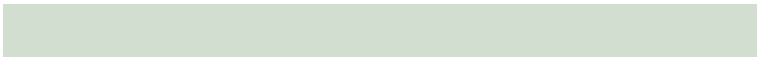
69.1252, 71.1044, 89.4381



77.2426, 82.8851, 78.2583

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.



64.3129, 71.1044, 69.9555



69.1252, 71.1044, 89.4381



68.2570, 71.1044, 65.9369

Square

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



69.1252, 71.1044, 89.4381



71.6579, 71.1044, 73.1182



66.0631, 71.1044, 66.5309



63.6648, 71.1044, 81.8886

Rectangle

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



69.1252, 71.1044, 89.4381



71.7091, 71.1044, 81.4872



66.0631, 71.1044, 66.5309



63.6175, 71.1044, 73.4916

Sweetspot

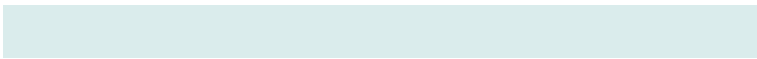
The Sweet Spot groups the original color and five complimentary colors.



69.1273, 71.1074, 89.4397



91.5933, 95.8352, 108.2783



74.0069, 80.9362, 90.8513



19.6409, 20.5563, 23.1825



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.



69.1273, 71.1074, 89.4397



80.2168, 82.1278, 106.2321



71.7970, 72.4825, 89.5644



14.2315, 14.5494, 18.9805



8.3460, 3.3389, 43.9476



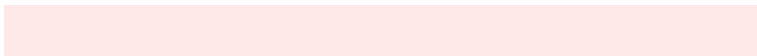
0.6554, 0.2623, 3.4510

Inverse Universe

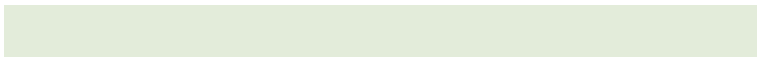
The Inverse Universe completely reimagines the original color for something new.



72.3200, 73.0392, 76.6195



84.6839, 84.8306, 88.2948



74.4248, 81.4338, 78.1267



15.0656, 15.0541, 15.6310



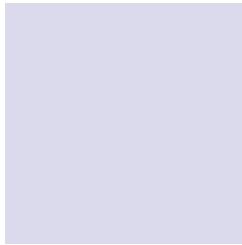
19.0680, 9.8299, 0.8933



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 69.1252, 71.1044, 89.4381 looks on a white background.

Color Contrast Check

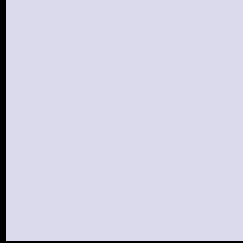
Large Text (above 18pt) WCAG AA × Fail

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 69.1252, 71.1044, 89.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

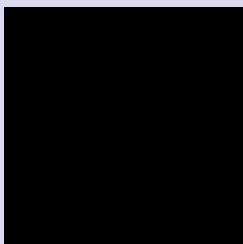
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1252, 71.1044, 89.4381

Background



This preview shows how black text looks on a background with the XYZ color 69.1252, 71.1044, 89.4381.

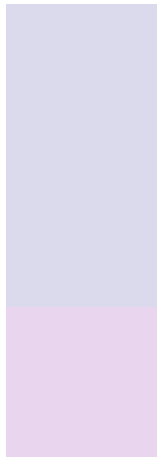


This preview shows how white text looks on a background with the XYZ color 69.1252, 71.1044,

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

69.1252, 71.1044, 89.4381

Protanopia

69.1252, 71.1044, 89.4381

Deuteranopia

72.6846, 71.0266, 89.9994



Tritanopia

68.9802, 71.0464, 88.6749

Trichromacy



Original Color

69.1252, 71.1044, 89.4381

Protanomaly

69.1252, 71.1044, 89.4381

Deuteranomaly

71.5814, 71.2093, 90.0928

Tritanomaly

68.9802, 71.0464, 88.6749

Monochromacy



Original Color

69.1252, 71.1044, 89.4381

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.2724, 71.2141, 82.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1252, 71.1044, 89.4381 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(218, 218, 236) looks like.

```
.text, #text, p{  
    color:rgb(218, 218, 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(218, 218, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 218, 236) }
```

Border

The CSS property to change the border of an element to XYZ 69.1252, 71.1044, 89.4381 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(218, 218, 236) }
```


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

```
.border{ border-color:rgb(218, 218, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 218, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 218, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 218, 236);  
box-shadow:4px 4px 4px 4px rgb(218, 218,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1252, 71.1044, 89.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 218, 236) }
```

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

```
.background{ background-color: rgb(218,  
218, 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