

# Converting Colors

XYZ(71.0804, 73.6708, 89.8304)

Have a look what the booklet for  
XYZ(71.0804, 73.6708, 89.8304)  
contains.

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# Color

**XYZ(71.0804, 73.6708,  
89.8304)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DDDEEC
RGB	221, 222, 236
RGB Percent	87%, 87%, 93%
CMY	0.1333, 0.1294, 0.0745
CMYK	0.06, 0.06, 0.00, 0.07
HSL	236°, 28%, 90%
HSV	236°, 6%, 93%
XYZ	71.0804, 73.6708, 89.8304
YIQ	223.2970, -5.0900, 4.1420

# Conversions

## Conversions Part 2

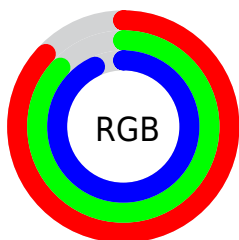
Format	Color
<a href="#">RYB</a>	<a href="#">221, 222, 236</a>
Decimal	<a href="#">14540524</a>
CIELab	<a href="#">88.77, 2.26, -6.95</a>
CIELCh	<a href="#">89, 7.307, 288.052</a>
Yxy	<a href="#">73.6708, 0.3030, 0.3141</a>
Android (android.graphics.Color)	<a href="#">4292730604</a> (0xFFDDDEEC)
YUV	<a href="#">223.2970, 6.2626, -2.0145</a>
Hunter-Lab	<a href="#">85.8317, -2.3830, -1.9700</a>

# Details

The XYZ color 71.0804, 73.6708, 89.8304 is a light color, and the websafe version is hex CCCCCC. A complement of this color would be 77.3518, 82.4694, 80.2493, and the grayscale version is 70.3116, 73.9733, 80.5569.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 37.7828, 39.0397, 48.7241 is the 20% darker color. If you saturate the color by 10%, you get 58.9223, 59.2816, 87.6949, and if you desaturate by 10%, it is 85.0168, 90.1148, 92.2710.

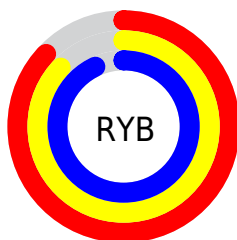
# Distribution



Red (87%)

Green (87%)

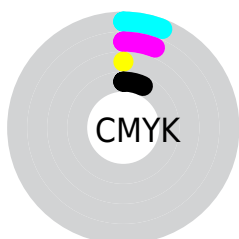
Blue (93%)



Red (87%)

Yellow (87%)

Blue (93%)

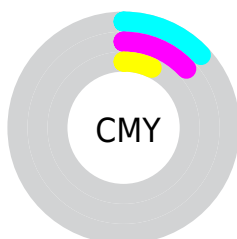


Cyan (6%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (13%)

Yellow (7%)


# Brightness & Saturation


## Gradients

These gradients show how the XYZ color 71.0804, 73.6708, 89.8304 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 71.0804, 73.6708, 89.8304 by changing the saturation by 10% instead.




 71.0804, 73.6708,  
89.8304

 71.0804, 73.6708,  
89.8304


453.5419,  
473.3364, 548.0349

 52.6906, 54.5246,  
67.2671


119.7661,  
124.4290, 149.0363

 37.7823, 39.0213,  
48.8387


150.7927,  
156.8099, 186.5158

 25.9902, 26.7763,  
34.1269


186.7622,  
194.3711, 229.8046

 16.9490, 17.4053,  
22.7129

228.0401,  
237.4971, 279.3211

 10.2932, 10.5239,  
14.1784

274.9916,  
286.5722, 335.4838

 5.6575, 5.7476,  
8.1047


327.9822,


 2.6766, 2.6922,


341.9809, 398.7113


4.0733


387.3772,  
404.1075, 469.4221


 0.9852, 0.9733,  
1.6656


 0.0000, 0.0000,  
0.3370


 71.0804, 73.6708,  
89.8304

 71.0804, 73.6708,  
89.8304


 58.9223, 59.2816,  
87.6949

 85.0168, 90.1148,  
92.2710

 48.4647, 46.8576,  
85.8480

 92.1405, 98.8362,  
93.5790

 39.6337, 36.3161,  
84.2788

 32.3474, 27.5652,  
82.9737

■ 26.5169, 20.5052,  
81.9183

■ 22.0440, 15.0268,  
81.0966

■ 18.8185, 11.0076,  
80.4908

■ 16.7128, 8.3073,  
80.0806

■ 15.5709, 6.7571,  
79.8416

# Harmonies

## Analogous

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



69.3206, 73.6708, 90.1200



71.0804, 73.6708, 89.8304



72.5803, 73.6708, 86.8993

# Triad

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



71.0804, 73.6708, 89.8304



72.3185, 73.6708, 73.1909



66.7490, 73.6708, 78.2166

# Complementary

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



71.0804, 73.6708, 89.8304



77.3518, 82.4694, 80.2493

# 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.



67.5243, 73.6708, 73.8825



71.0804, 73.6708, 89.8304



70.7279, 73.6708, 71.0637

# Square

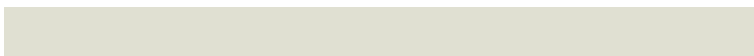
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0804, 73.6708, 89.8304



73.3034, 73.6708, 77.2363



68.9739, 73.6708, 71.3114



66.8398, 73.6708, 83.2693



# Rectangle

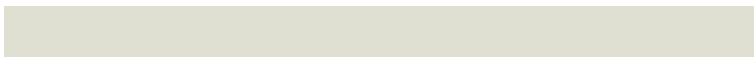
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0804, 73.6708, 89.8304



73.2219, 73.6708, 83.9085



68.9739, 73.6708, 71.3114



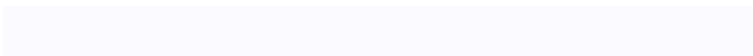
66.9164, 73.6708, 76.6314

# Sweetspot

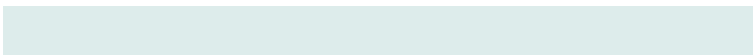
The Sweet Spot groups the original color and five complimentary colors.



71.0825, 73.6739, 89.8320



91.6991, 96.0467, 108.3135



74.7748, 81.3480, 90.1698



19.6625, 20.5994, 23.1897



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.



71.0825, 73.6739, 89.8320



82.1642, 84.7845, 106.6423



72.7555, 74.1420, 89.8342



14.3121, 14.7106, 19.0074



8.4784, 3.6038, 43.9917



0.6942, 0.3399, 3.4639

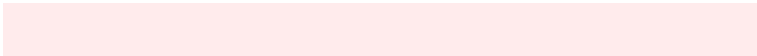


# Inverse Universe

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



73.6350, 74.8212, 79.6718



85.9691, 86.5019, 91.4952



75.6008, 81.9942, 80.2499



15.1063, 15.0704, 15.8452



19.1348, 9.8566, 1.2453

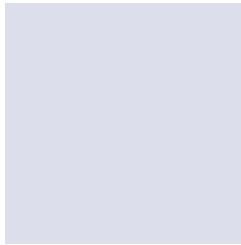


1.5169, 0.7797, 0.1734



# Previews

## White Background



This preview shows how the XYZ color 71.0804, 73.6708, 89.8304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

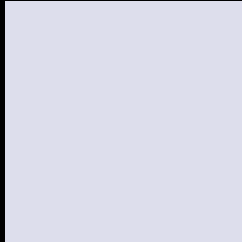
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0804, 73.6708, 89.8304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

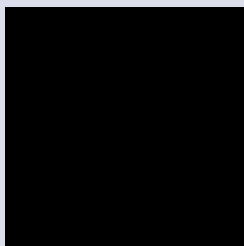
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

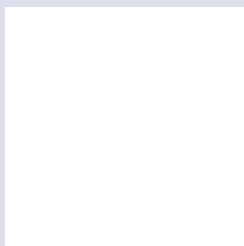
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0804, 73.6708, 89.8304**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0804, 73.6708, 89.8304.



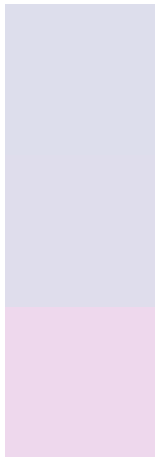
This preview shows how white text looks on a background with the XYZ color 71.0804, 73.6708,



# 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

71.0804, 73.6708, 89.8304

### Protanopia

71.4282, 73.4570, 89.7708

### Deuteranopia

75.1018, 73.4033, 90.3307



## Tritanopia

71.5201, 73.8467, 92.1457

# Trichromacy



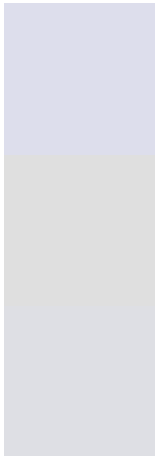
**Original Color**  
71.0804, 73.6708, 89.8304

**Protanomaly**  
71.1210, 73.2986, 89.7565

**Deuteranomaly**  
73.6362, 73.4130, 90.4099

**Tritanomaly**  
71.3727, 73.7878, 91.3696

# Monochromacy



**Original Color**  
71.0804, 73.6708, 89.8304

**Achromatopsia**  
70.1384, 73.7910, 80.3584

**Achromatomaly**  
70.5155, 73.9064, 83.9476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0804, 73.6708, 89.8304 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(221, 222, 236) looks like.

```
.text, #text, p{  
    color:rgb(221, 222, 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(221, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0804, 73.6708, 89.8304 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(221, 222, 236) }
```



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

```
.border{ border-color:rgb(221, 222, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0804, 73.6708, 89.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 236) }
```

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

```
.background{ background-color: rgb(221,  
222, 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](#).

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