

Converting Colors

XYZ(71.7606, 70.1608, 97.4333)

Have a look what the booklet for
XYZ(71.7606, 70.1608, 97.4333)
contains.

XYZ(71.6960, 69.9711, 97.7227)	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(71.6960, 69.9711,
97.7227)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D4F7
RGB	226, 212, 247
RGB Percent	89%, 83%, 97%
CMY	0.1137, 0.1686, 0.0314
CMYK	0.09, 0.14, 0.00, 0.03
HSL	264°, 69%, 90%
HSV	264°, 14%, 97%
XYZ	71.6960, 69.9711, 97.7227
YIQ	220.1760, -2.8910, 13.8530

Conversions

Conversions Part 2

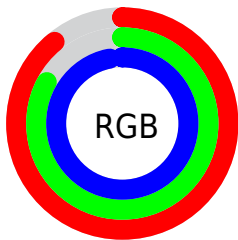
Format	Color
R _Y B	226, 212, 247
Decimal	14865655
CIE Lab	86.98, 11.26, -15.36
CIE LCh	87, 19.047, 306.240
Yxy	69.9711, 0.2995, 0.2923
Android (android.graphics.Color)	4293055735 (0xFFE2D4F7)
YUV	220.1760, 13.2242, 5.1076
Hunter-Lab	83.6487, 6.6085, -10.7115

Details

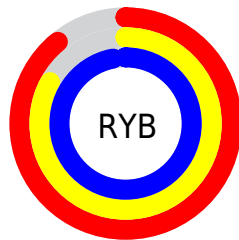
The XYZ color **71.6960, 69.9711, 97.7227** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.7512, 88.6005, 75.2417**, and the grayscale version is **68.0642, 71.6088, 77.9820**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2555, 36.5335, 54.3256** is the 20% darker color. If you saturate the color by 10%, you get **61.5396, 56.2613, 95.6128**, and if you desaturate by 10%, it is **83.2029, 85.7830, 100.1693**.

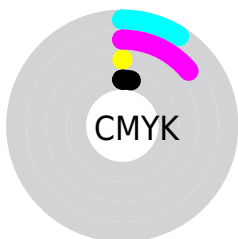
Distribution



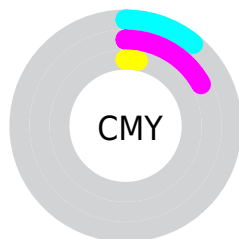
- Red (89%)
- Green (83%)
- Blue (97%)



- Red (89%)
- Yellow (83%)
- Blue (97%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6960, 69.9711, 97.7227 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 71.6960, 69.9711, 97.7227 by changing the saturation by 10% instead.

71.6960, 69.9711,
97.7227

71.6960, 69.9711,
97.7227

455.6569,
460.4485, 574.0507

53.1950, 51.5030,
73.7938

120.6374,
119.1675, 160.0486

38.1865, 36.6091,
54.1295

151.8084,
150.6646, 199.2827

26.3054, 24.9049,
38.3113

187.9335,
187.2735, 244.4555

17.1861, 16.0063,
25.9207

229.3779,
229.3786, 295.9857

10.4634, 9.5286,
16.5391

276.5072,
277.3642, 354.2918

5.7719, 5.0875,
9.7480

329.6865,

2.7462, 2.2987,

331.6148, 419.7923

5.1288

389.2813,
392.5148, 492.9057

■ 1.0210, 0.7730,
2.2629

■ 0.0000, 0.0000,
0.7103

■ 71.6960, 69.9711,
97.7227

■ 71.6960, 69.9711,
97.7227

■ 61.5396, 56.2613,
95.6128

■ 83.2029, 85.7830,
100.1693

■ 52.6744, 44.5538,
93.8203

■ 93.7887, 99.4955,
102.2581

■ 45.0460, 34.7541,
92.3308

■ 38.5933, 26.7561,
91.1272

■ 33.2494, 20.4434,
90.1903

■ 28.9398, 15.6849,
89.4990

■ 25.5796, 12.3295,
89.0284

■ 23.0667, 10.1932,
88.7485

■ 21.9113, 9.3563,
88.6479

Harmonies

Analogous

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



67.4403, 69.9711, 103.2517



71.6960, 69.9711, 97.7227



74.6528, 69.9711, 86.4987

Triad

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



71.6960, 69.9711, 97.7227



70.0148, 69.9711, 55.8773



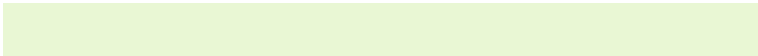
58.3528, 69.9711, 78.8827

Complementary

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



71.6960, 69.9711, 97.7227



78.7512, 88.6005, 75.2417

Split Complementary

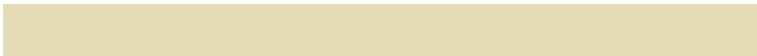
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.9735, 69.9711, 66.7285



71.6960, 69.9711, 97.7227



65.5793, 69.9711, 54.3199

Square

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



71.6960, 69.9711, 97.7227



73.6523, 69.9711, 62.5918



61.5716, 69.9711, 58.0727



59.8366, 69.9711, 91.6199

Rectangle

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



71.6960, 69.9711, 97.7227



75.4193, 69.9711, 77.8060



61.5716, 69.9711, 58.0727



58.3232, 69.9711, 74.5899

Sweetspot

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



71.6981, 69.9741, 97.7242



89.6659, 92.5215, 107.7403



73.2467, 79.3235, 99.4473



18.9813, 19.5114, 23.0156



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.



71.6981, 69.9741, 97.7242



73.8153, 70.7882, 104.3807



77.2675, 72.8452, 97.9849



16.2084, 16.2501, 20.8249



11.7378, 5.0254, 46.8894



1.1443, 0.4998, 4.1264

Inverse Universe

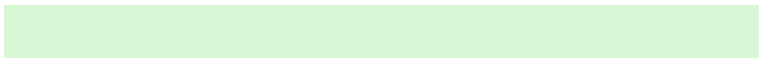
The Inverse Universe completely reimagines the original color for something new.



76.6116, 72.7474, 87.0979



80.0791, 74.3254, 90.7544



73.4904, 85.8884, 74.9955



16.9167, 16.6495, 19.3077



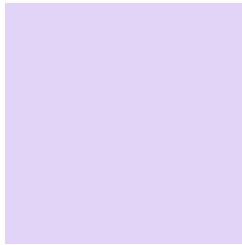
23.1940, 11.6211, 16.2620



2.0892, 1.0416, 1.6961

Previews

White Background



This preview shows how the XYZ color 71.6960, 69.9711, 97.7227 looks on a white background.

Color Contrast Check

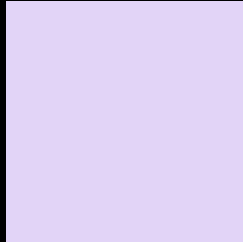
Large Text (above 18pt) WCAG AA × Fail

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 71.6960, 69.9711, 97.7227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

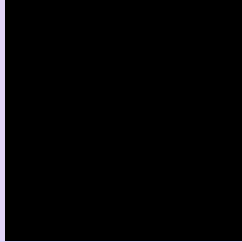
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.6960, 69.9711, 97.7227

Background



This preview shows how black text looks on a background with the XYZ color 71.6960, 69.9711, 97.7227.



This preview shows how white text looks on a background with the XYZ color 71.6960, 69.9711,

97.7227.

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

71.6960, 69.9711, 97.7227

Protanopia

68.9626, 70.0109, 100.3212

Deuteranopia

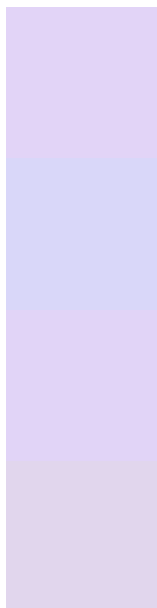
71.3833, 69.8099, 97.7080



Tritanopia

69.6064, 70.2744, 86.2396

Trichromacy



Original Color

71.6960, 69.9711, 97.7227

Protanomaly

70.0146, 70.1921, 99.4808

Deuteranomaly

71.3833, 69.8099, 97.7080

Tritanomaly

70.3840, 70.2151, 89.9640

Monochromacy



Original Color

71.6960, 69.9711, 97.7227

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.2200, 70.8685, 84.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6960, 69.9711, 97.7227 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(226, 212, 247)` looks like.

```
.text, #text, p{  
    color:rgb(226, 212, 247)  
}
```

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(226, 212, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 212, 247) }
```

Border

The CSS property to change the border of an element to XYZ 71.6960, 69.9711, 97.7227 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(226, 212, 247) }
```


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

```
.border{ border-color:rgb(226, 212, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 212, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 212, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 212, 247);  
box-shadow:4px 4px 4px 4px rgb(226, 212,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6960, 69.9711, 97.7227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 212, 247) }
```

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

```
.background{ background-color: rgb(226,  
212, 247) }
```

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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