

Converting Colors

XYZ(67.7261, 69.6512, 87.7164)

Have a look what the booklet for XYZ(67.7261, 69.6512, 87.7164) contains.

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Color

**XYZ(67.7261, 69.6512,
87.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D8EA
RGB	216, 216, 234
RGB Percent	85%, 85%, 92%
CMY	0.1529, 0.1529, 0.0823
CMYK	0.08, 0.08, 0.00, 0.08
HSL	240°, 30%, 88%
HSV	240°, 8%, 92%
XYZ	67.7261, 69.6512, 87.7164
YIQ	218.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

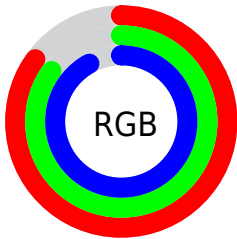
Format	Color
R _Y B	216, 216, 234
Decimal	14211306
CIE Lab	86.83, 3.38, -8.81
CIE LCh	87, 9.436, 290.970
Yxy	69.6512, 0.3009, 0.3094
Android (android.graphics.Color)	4292401386 (0xFFD8D8EA)
YUV	218.0520, 7.8624, -1.7996
Hunter-Lab	83.4573, -1.1964, -3.8957

Details

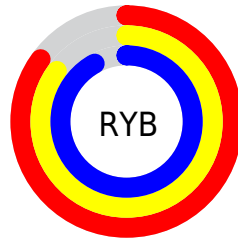
The XYZ color **67.7261, 69.6512, 87.7164** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7495, 81.2954, 76.6663**, and the grayscale version is **66.6285, 70.0984, 76.3371**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4787, 36.2812, 47.2525** is the 20% darker color. If you saturate the color by 10%, you get **55.7260, 55.1930, 85.5592**, and if you desaturate by 10%, it is **81.5681, 86.3296, 90.2072**.

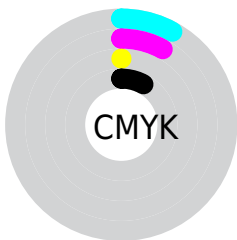
Distribution



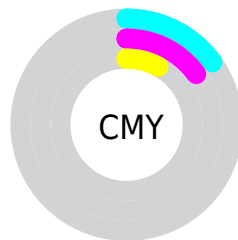
- Red (85%)
- Green (85%)
- Blue (92%)



- Red (85%)
- Yellow (85%)
- Blue (92%)



- Cyan (8%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7261, 69.6512, 87.7164 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 67.7261, 69.6512, 87.7164 by changing the saturation by 10% instead.

■ 67.7261, 69.6512,
87.7164

■ 67.7261, 69.6512,
87.7164

441.9169,
459.3244, 540.9513

■ 49.9478, 51.2422,
65.5252

115.0043,
118.7112, 146.0699

■ 35.5896, 36.4014,
47.4330

145.2349,
150.1310, 183.0694

■ 24.2860, 24.7444,
33.0213

180.3470,
186.6566, 225.8419

■ 15.6718, 15.8867,
21.8715

220.7059,
228.6723, 274.8062

■ 9.3816, 9.4440,
13.5651

266.6770,
276.5625, 330.3808

■ 5.0500, 5.0319,
7.6835

318.6256,

■ 2.3117, 2.2660,

330.7117, 392.9841

3.8083

376.9171,
391.5042, 463.0348

■ 0.8006, 0.7556,
1.5208

■ 0.0000, 0.0000,
0.2333

■ 67.7261, 69.6512,
87.7164

■ 67.7261, 69.6512,
87.7164

■ 55.7260, 55.1930,
85.5592

■ 81.5681, 86.3296,
90.2072

■ 45.4845, 42.8530,
83.7172

■ 91.8515, 98.7206,
92.0569

■ 36.9209, 32.5346,
82.1769

■ 29.9457, 24.1300,
80.9222

■ 24.4613, 17.5215,
79.9357

■ 20.3592, 12.5785,
79.1978

■ 17.5164, 9.1527,
78.6864

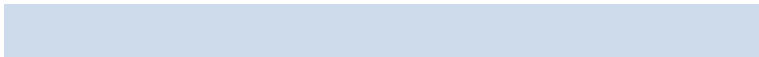
■ 15.7879, 7.0696,
78.3754

■ 14.9781, 6.0935,
78.2297

Harmonies

Analogous

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



65.5400, 69.6512, 88.4367



67.7261, 69.6512, 87.7164



69.5404, 69.6512, 83.7220

Triad

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



67.7261, 69.6512, 87.7164



68.8997, 69.6512, 66.8154



62.1129, 69.6512, 73.9537

Complementary

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



67.7261, 69.6512, 87.7164



75.7495, 81.2954, 76.6663

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.



62.9709, 69.6512, 68.4658



67.7261, 69.6512, 87.7164



66.8672, 69.6512, 64.4971

Square

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



67.7261, 69.6512, 87.7164



70.2284, 69.6512, 71.5867



64.6997, 69.6512, 65.0841



62.3313, 69.6512, 80.2550

Rectangle

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



67.7261, 69.6512, 87.7164



70.2794, 69.6512, 79.8554



64.6997, 69.6512, 65.0841



62.2843, 69.6512, 71.9583

Sweetspot

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



67.7281, 69.6541, 87.7179



91.5933, 95.8351, 108.2783



72.5511, 79.3691, 89.1131



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.



67.7281, 69.6541, 87.7179



80.2167, 82.1277, 106.2321



70.3663, 71.0130, 87.8412



14.2315, 14.5494, 18.9805



8.3460, 3.3389, 43.9476



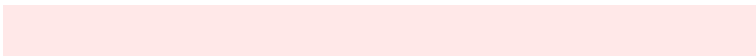
0.6554, 0.2623, 3.4510

Inverse Universe

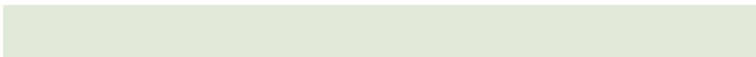
The Inverse Universe completely reimagines the original color for something new.



70.8839, 71.5636, 75.0463



84.6838, 84.8306, 88.2947



72.9637, 79.8605, 76.5361



15.0656, 15.0541, 15.6309



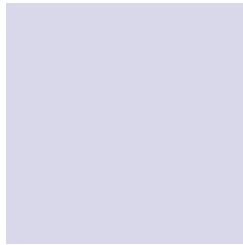
19.0679, 9.8299, 0.8932



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 67.7261, 69.6512, 87.7164 looks on a white background.

Color Contrast Check

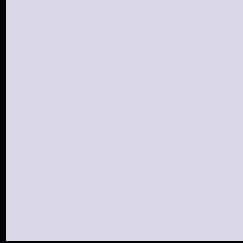
Large Text (above 18pt) WCAG AA × Fail

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 67.7261, 69.6512, 87.7164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

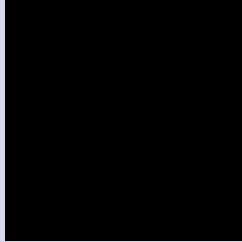
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

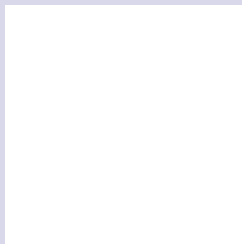
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7261, 69.6512, 87.7164

Background



This preview shows how black text looks on a background with the XYZ color 67.7261, 69.6512, 87.7164.

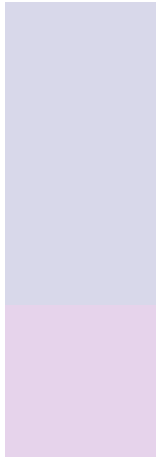


This preview shows how white text looks on a background with the XYZ color 67.7261, 69.6512,

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

67.7261, 69.6512, 87.7164

Protanopia

67.7261, 69.6512, 87.7164

Deuteranopia

70.9228, 69.4097, 88.2566



Tritanopia

67.5827, 69.5939, 86.9618

Trichromacy



Original Color

67.7261, 69.6512, 87.7164

Protanomaly

67.7261, 69.6512, 87.7164

Deuteranomaly

69.8410, 69.5942, 88.3493

Tritanomaly

67.5827, 69.5939, 86.9618

Monochromacy



Original Color

67.7261, 69.6512, 87.7164

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.8827, 69.7592, 80.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7261, 69.6512, 87.7164 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(216, 216, 234) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 234)  
}
```

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(216, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 67.7261, 69.6512, 87.7164 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(216, 216, 234) }
```


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

```
.border{ border-color:rgb(216, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7261, 69.6512, 87.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 234) }
```

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

```
.background{ background-color: rgb(216,  
216, 234) }
```

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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