

Converting Colors

XYZ(64.6990, 60.9081, 87.7033)

Have a look what the booklet for
XYZ(64.6990, 60.9081, 87.7033)
contains.

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Color

**XYZ(64.6990, 60.9081,
87.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	DDC4EC
RGB	221, 196, 236
RGB Percent	87%, 77%, 93%
CMY	0.1333, 0.2314, 0.0745
CMYK	0.06, 0.17, 0.00, 0.07
HSL	277°, 51%, 85%
HSV	277°, 17%, 93%
XYZ	64.6990, 60.9081, 87.7033
YIQ	208.0350, 2.0600, 17.7400

Conversions

Conversions Part 2

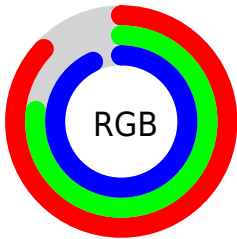
Format	Color
R_{YB}	221, 196, 236
Decimal	14533868
CIE _{Lab}	82.33, 16.00, -16.55
CIE _{LCh}	82, 23.023, 314.029
Yxy	60.9081, 0.3033, 0.2855
Android (android.graphics.Color)	4292723948 (0xFFDDC4EC)
YUV	208.0350, 13.7867, 11.3703
Hunter-Lab	78.0436, 11.4020, -11.9979

Details

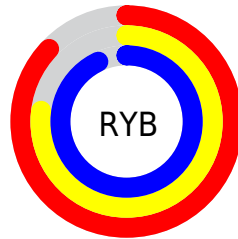
The XYZ color **64.6990, 60.9081, 87.7033** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.8254, 77.8269, 63.7275**, and the grayscale version is **59.8910, 63.0100, 68.6179**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **33.6371, 30.7483, 47.3422** is the 20% darker color. If you saturate the color by 10%, you get **57.1652, 49.7351, 85.9447**, and if you desaturate by 10%, it is **73.2159, 73.8341, 89.7503**.

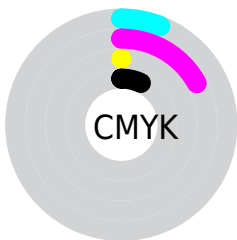
Distribution



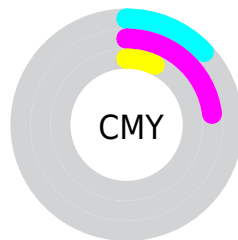
- Red (87%)
- Green (77%)
- Blue (93%)



- Red (87%)
- Yellow (77%)
- Blue (93%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6990, 60.9081, 87.7033 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 64.6990, 60.9081, 87.7033 by changing the saturation by 10% instead.

64.6990, 60.9081,
87.7033

64.6990, 60.9081,
87.7033

431.2718,
427.9370, 540.9072

47.4808, 44.1510,
65.5144

110.6851,
106.1459, 146.0515

33.6255, 30.7892,
47.4243

140.1838,
135.3953, 183.0480

22.7676, 20.4384,
33.0145

174.5067,
169.5777, 225.8173

14.5417, 12.7141,
21.8663

214.0192,
209.0774, 274.7782

8.5826, 7.2320,
13.5613

259.0865,
254.2787, 330.3491

4.5249, 3.6076,
7.6810

310.0742,

2.0031, 1.4566,

305.5662, 392.9485

3.8067

367.3475,
363.3241, 462.9950

■ 0.6357, 0.2579,
1.5199

■ 0.0000, 0.0000,
0.2327

■ 64.6990, 60.9081,
87.7033

■ 64.6990, 60.9081,
87.7033

■ 57.1652, 49.7351,
85.9447

■ 73.2159, 73.8341,
89.7503

■ 50.5676, 40.2281,
84.4574

■ 82.7489, 88.5793,
92.0940

■ 44.8639, 32.3043,
83.2286

■ 89.4537, 97.4511,
93.4530

■ 40.0056, 25.8704,
82.2428

■ 92.1405, 98.8362,
93.5788

■ 35.9395, 20.8232,
81.4829

■ 32.6054, 17.0460,
80.9295

■ 29.9329, 14.4018,
80.5600

■ 27.8327, 12.7153,
80.3452

■ 27.2622, 12.3052,
80.2961

Harmonies

Analogous

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



60.2086, 60.9081, 96.1369



64.6990, 60.9081, 87.7033



67.4433, 60.9081, 74.0340

Triad

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



64.6990, 60.9081, 87.7033



60.5261, 60.9081, 43.5864



49.2124, 60.9081, 73.0863

Complementary

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



64.6990, 60.9081, 87.7033



66.8254, 77.8269, 63.7275

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.



49.2867, 60.9081, 59.1587



64.6990, 60.9081, 87.7033



55.6343, 60.9081, 43.4075

Square

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



64.6990, 60.9081, 87.7033



64.9428, 60.9081, 49.2565



51.5788, 60.9081, 48.7274



51.3697, 60.9081, 86.9256

Rectangle

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



64.6990, 60.9081, 87.7033



67.8214, 60.9081, 64.4382



51.5788, 60.9081, 48.7274



48.9812, 60.9081, 68.2352

Sweetspot

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



64.7009, 60.9107, 87.7046



89.3793, 91.2376, 107.5076



61.2848, 64.5487, 88.5869



18.9656, 19.2745, 22.9707



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.



64.7009, 60.9107, 87.7046



74.1931, 68.2170, 103.8645



68.8047, 63.1036, 84.4034



15.1357, 15.0152, 19.0227



15.1753, 6.8591, 44.2671



1.2976, 0.5932, 3.4810

Inverse Universe

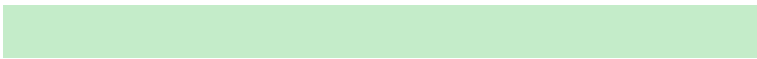
The Inverse Universe completely reimagines the original color for something new.



66.0919, 62.0185, 70.1183



76.1692, 69.7803, 79.3556



63.2660, 75.9296, 66.3771



15.2991, 15.1475, 16.8604



20.1081, 10.2459, 6.3703



1.6243, 0.8227, 0.7389

Previews

White Background



This preview shows how the XYZ color 64.6990, 60.9081, 87.7033 looks on a white background.

Color Contrast Check

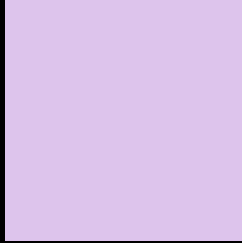
Large Text (above 18pt) WCAG AA × Fail

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 64.6990, 60.9081, 87.7033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

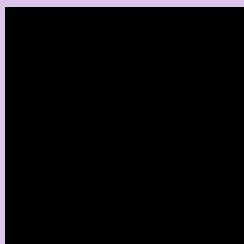
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6990, 60.9081, 87.7033

Background



This preview shows how black text looks on a background with the XYZ color 64.6990, 60.9081, 87.7033.



This preview shows how white text looks on a background with the XYZ color 64.6990, 60.9081,

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

64.6990, 60.9081, 87.7033

Protanopia

60.5218, 61.0685, 91.8166

Deuteranopia

62.2280, 61.0083, 87.0933



Tritanopia

61.8335, 61.1203, 72.8284

Trichromacy



Original Color

64.6990, 60.9081, 87.7033

Protanomaly

61.6879, 60.6624, 90.1191

Deuteranomaly

63.1504, 61.1411, 87.0703

Tritanomaly

62.9561, 61.2346, 78.3134

Monochromacy



Original Color

64.6990, 60.9081, 87.7033

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

61.6883, 62.3938, 75.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6990, 60.9081, 87.7033 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, 196, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 196, 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, 196, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 196, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.6990, 60.9081, 87.7033 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, 196, 236) }
```


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

```
.border{ border-color:rgb(221, 196, 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, 196, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 196,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6990, 60.9081, 87.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 196, 236) }
```

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

```
.background{ background-color: rgb(221,  
196, 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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