

Converting Colors

XYZ(68.3005, 68.7901, 87.3009)

Have a look what the booklet for
XYZ(68.3005, 68.7901, 87.3009)
contains.

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Color

**XYZ(68.4643, 68.9012,
87.5327)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD5EA
RGB	221, 213, 234
RGB Percent	87%, 84%, 92%
CMY	0.1333, 0.1647, 0.0823
CMYK	0.06, 0.09, 0.00, 0.08
HSL	263°, 33%, 88%
HSV	263°, 9%, 92%
XYZ	68.4643, 68.9012, 87.5327
YIQ	217.7860, -1.9730, 8.2270

Conversions

Conversions Part 2

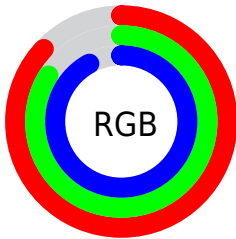
Format	Color
R _Y B	221, 213, 234
Decimal	14538218
CIE Lab	86.46, 6.59, -9.32
CIE LCh	86, 11.414, 305.266
Yxy	68.9012, 0.3044, 0.3064
Android (android.graphics.Color)	4292728298 (0xFFDDD5EA)
YUV	217.7860, 7.9935, 2.8187
Hunter-Lab	83.0067, 1.9657, -4.4181

Details

The XYZ color **68.4643, 68.9012, 87.5327** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7997, 79.8204, 74.5242**, and the grayscale version is **66.4426, 69.9028, 76.1241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9886, 35.7751, 47.1280** is the 20% darker color. If you saturate the color by 10%, you get **58.7759, 55.7921, 85.5141**, and if you desaturate by 10%, it is **79.3867, 83.9109, 89.8552**.

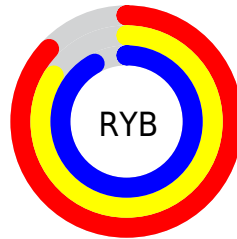
Distribution



Red (87%)

Green (84%)

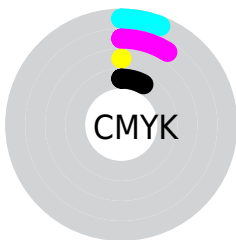
Blue (92%)



Red (87%)

Yellow (84%)

Blue (92%)

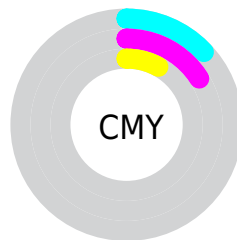


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (8%)



Cyan (13%)

Magenta (16%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4643, 68.9012, 87.5327 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 68.4643, 68.9012, 87.5327 by changing the saturation by 10% instead.

■ 68.4643, 68.9012,
87.5327

■ 68.4643, 68.9012,
87.5327

444.4903,
456.6824, 540.3333

■ 50.5506, 50.6313,
65.3740

116.0544,
117.6404, 145.8118

■ 36.0707, 35.9152,
47.3111

146.4615,
148.8785, 182.7693

■ 24.6592, 24.3687,
32.9256

181.7637,
185.2081, 225.4968

■ 15.9507, 15.6074,
21.7988

222.3266,
227.0136, 274.4128

■ 9.5799, 9.2468,
13.5122

268.5153,
274.6794, 329.9360

■ 5.1814, 4.9025,
7.6473

320.6952,

■ 2.3899, 2.1902,

328.5899, 392.4847

3.7856

379.2318,
389.1294, 462.4777

■ 0.8401, 0.7146,
1.5085

■ 0.0000, 0.0000,
0.2242

■ 68.4643, 68.9012,
87.5327

■ 68.4643, 68.9012,
87.5327

■ 58.7759, 55.7921,
85.5141

■ 79.3867, 83.9109,
89.8552

■ 50.2696, 44.4974,
83.7823

■ 90.0280, 97.7805,
91.9715

■ 42.8987, 34.9372,
82.3255

■ 91.8515, 98.7206,
92.0568

■ 36.6108, 27.0224,
81.1292

■ 31.3491, 20.6555,
80.1776

■ 27.0511, 15.7281,
79.4530

■ 23.6465, 12.1177,
78.9356

■ 21.0535, 9.6798,
78.6017

■ 19.1534, 8.1970,
78.4156

Harmonies

Analogous

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



65.9557, 68.9012, 90.4545



68.4643, 68.9012, 87.5327



70.2096, 68.9012, 81.2723

Triad

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



68.4643, 68.9012, 87.5327



67.6361, 68.9012, 62.5733



60.5612, 68.9012, 76.3644

Complementary

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



68.4643, 68.9012, 87.5327



72.7997, 79.8204, 74.5242

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.



60.9840, 68.9012, 69.1001



68.4643, 68.9012, 87.5327



65.0236, 68.9012, 61.4524

Square

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



68.4643, 68.9012, 87.5327



69.7225, 68.9012, 66.9346



62.6002, 68.9012, 63.7635



61.4295, 68.9012, 83.7353

Rectangle

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



68.4643, 68.9012, 87.5327



70.6805, 68.9012, 76.2282



62.6002, 68.9012, 63.7635



60.5573, 68.9012, 73.8280

Sweetspot

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



68.4663, 68.9041, 87.5342



90.9367, 94.3285, 108.0221



69.5723, 74.6451, 88.5840



19.2339, 19.8735, 23.0722



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.



68.4663, 68.9041, 87.5342



80.6421, 80.2445, 105.8462



71.6673, 70.5543, 87.6840



14.7734, 14.8285, 19.0058



10.7965, 4.6017, 44.0621



0.9519, 0.4150, 3.4648

Inverse Universe

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



71.4559, 70.5751, 81.8114



85.0728, 82.7218, 97.3238



69.6954, 78.2200, 74.3789



15.4575, 15.2109, 17.6947



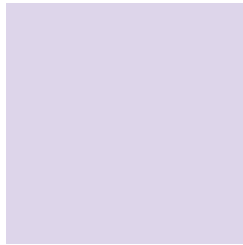
21.9978, 11.0018, 16.3219



1.7740, 0.8826, 1.5271

Previews

White Background



This preview shows how the XYZ color 68.4643, 68.9012, 87.5327 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 68.4643, 68.9012, 87.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

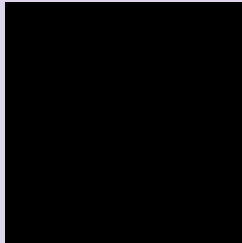
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4643, 68.9012, 87.5327

Background



This preview shows how black text looks on a background with the XYZ color 68.4643, 68.9012, 87.5327.



This preview shows how white text looks on a background with the XYZ color 68.4643, 68.9012,

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

68.4643, 68.9012, 87.5327

Protanopia

67.3202, 69.0461, 88.3763

Deuteranopia

70.3551, 68.7494, 88.1591



Tritanopia

67.8447, 69.0219, 84.6097

Trichromacy



Original Color

68.4643, 68.9012, 87.5327

Protanomaly

67.6572, 68.8430, 88.3194

Deuteranomaly

69.6537, 68.7554, 88.1972

Tritanomaly

67.9856, 69.0783, 85.3515

Monochromacy



Original Color

68.4643, 68.9012, 87.5327

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.2238, 69.5536, 80.4031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4643, 68.9012, 87.5327 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, 213, 234) looks like.

```
.text, #text, p{  
    color:rgb(221, 213, 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(221, 213, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 213, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.4643, 68.9012, 87.5327 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, 213, 234) }
```


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

```
.border{ border-color:rgb(221, 213, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 213, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 213, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 213, 234); box-shadow:4px 4px 4px 4px rgb(221, 213, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4643, 68.9012, 87.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 213, 234) }
```

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

```
.background{ background-color: rgb(221,  
213, 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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