

Converting Colors

XYZ(64.6827, 72.4235, 87.6608)

Have a look what the booklet for
XYZ(64.6827, 72.4235, 87.6608)
contains.

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Color

**XYZ(64.6827, 72.4235,
87.6608)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E3E9
RGB	195, 227, 233
RGB Percent	76%, 89%, 91%
CMY	0.2353, 0.1098, 0.0863
CMYK	0.16, 0.03, 0.00, 0.09
HSL	189°, 46%, 84%
HSV	189°, 16%, 91%
XYZ	64.6827, 72.4235, 87.6608
YIQ	218.1160, -20.9980, -4.9180

Conversions

Conversions Part 2

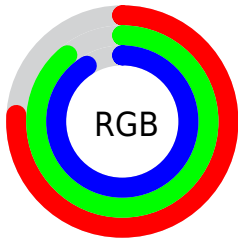
Format	Color
RYB	195, 212, 233
Decimal	12837865
CIELab	88.17, -9.22, -6.45
CIELCh	88, 11.251, 214.976
Yxy	72.4235, 0.2878, 0.3222
Android (android.graphics.Color)	4291027945 (0xFFC3E3E9)
YUV	218.1160, 7.3378, -20.2727
Hunter-Lab	85.1020, -13.2576, -1.5013

Details

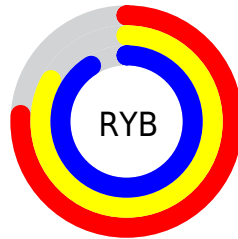
The XYZ color **64.6827, 72.4235, 87.6608** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3417, 63.0368, 60.4071**, and the grayscale version is **66.6836, 70.1564, 76.4003**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **33.6728, 38.3421, 47.2210** is the 20% darker color. If you saturate the color by 10%, you get **58.1315, 67.5710, 87.0706**, and if you desaturate by 10%, it is **72.1990, 77.8092, 88.3054**.

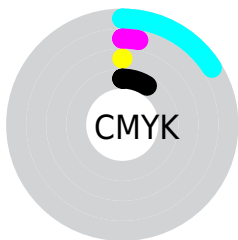
Distribution



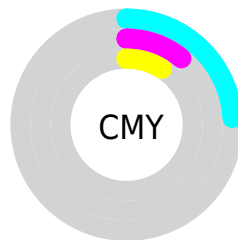
- Red (76%)
- Green (89%)
- Blue (91%)



- Red (76%)
- Yellow (83%)
- Blue (91%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6827, 72.4235, 87.6608 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 64.6827, 72.4235, 87.6608 by changing the saturation by 10% instead.

■ 64.6827, 72.4235,
87.6608

■ 64.6827, 72.4235,
87.6608

431.2141,
469.0143, 540.7643

■ 47.4676, 53.5047,
65.4794

■ 110.6618,
122.6584, 145.9918

■ 33.6149, 38.2058,
47.3961

140.1565,
154.7434, 182.9785

■ 22.7594, 26.1425,
32.9923

174.4751,
191.9858, 225.7375

■ 14.5357, 16.9303,
21.8495

213.9830,
234.7701, 274.6872

■ 8.5784, 10.1848,
13.5491

259.0454,
283.4808, 330.2462

■ 4.5221, 5.5216,
7.6726

310.0279,

■ 2.0015, 2.5565,

338.5021, 392.8330

3.8014

367.2957,
400.2185, 462.8662

■ 0.6348, 0.9048,
1.5170

■ 0.0000, 0.0000,
0.2306

■ 64.6827, 72.4235,
87.6608

■ 64.6827, 72.4235,
87.6608

■ 58.1315, 67.5710,
87.0706

■ 72.1990, 77.8092,
88.3054

■ 52.4954, 63.2201,
86.5279

■ 80.7149, 83.7404,
89.0014

■ 47.7297, 59.3493,
86.0319

■ 86.5332, 88.3132,
89.5773

■ 43.7830, 55.9321,
85.5803

■ 87.6149, 90.4767,
89.9379

■ 40.5987, 52.9389,
85.1704

■ 88.7187, 92.6842,
90.3058

■ 38.1125, 50.3366,
84.7992

■ 89.8445, 94.9359,
90.6811

■ 36.2495, 48.0862,
84.4630

■ 90.9926, 97.2321,
91.0638

■ 34.9162, 46.1394,
84.1575

■ 91.7082, 98.6633,
91.3023

■ 34.5005, 45.4678,
84.0498

Harmonies

Analogous

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



63.8088, 72.4235, 80.1492



64.6827, 72.4235, 87.6608



66.6706, 72.4235, 93.0623

Triad

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



64.6827, 72.4235, 87.6608



73.6326, 72.4235, 85.2934



68.3885, 72.4235, 64.9950

Complementary

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



64.6827, 72.4235, 87.6608



64.3417, 63.0368, 60.4071

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.



71.0486, 72.4235, 66.1760



64.6827, 72.4235, 87.6608



74.1213, 72.4235, 77.5785

Square

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



64.6827, 72.4235, 87.6608



71.8455, 72.4235, 91.6343



73.1641, 72.4235, 70.6631



65.9125, 72.4235, 67.3261

Rectangle

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



64.6827, 72.4235, 87.6608



68.3842, 72.4235, 94.5603



73.1641, 72.4235, 70.6631



69.2906, 72.4235, 64.9960

Sweetspot

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



64.6848, 72.4265, 87.6624



89.8753, 96.3845, 108.4749



62.1531, 74.0841, 66.0985



19.0867, 20.5244, 23.2056



0.0000, 0.0000, 0.0000



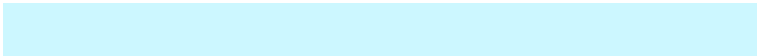
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6848, 72.4265, 87.6624



76.1978, 86.5494, 107.2974



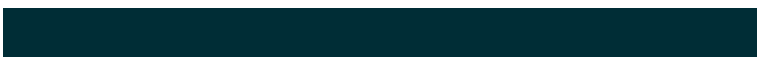
59.8439, 62.7447, 86.0488



15.3035, 16.6934, 19.3378



19.6517, 25.9504, 47.7161



1.5975, 2.1465, 3.7650

Inverse Universe

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



66.9861, 61.9013, 81.0942



79.6139, 71.1582, 97.4954



68.9703, 72.2941, 61.9500



15.6067, 15.2705, 18.4804



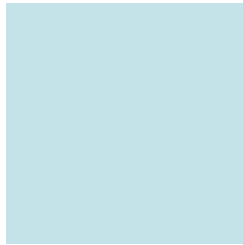
24.7746, 12.1125, 30.9439



1.9728, 0.9621, 2.5744

Previews

White Background



This preview shows how the XYZ color 64.6827, 72.4235, 87.6608 looks on a white background.

Color Contrast Check

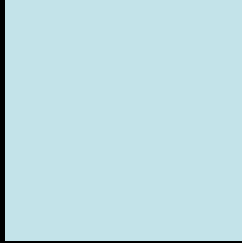
Large Text (above 18pt) WCAG AA × Fail

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 64.6827, 72.4235, 87.6608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

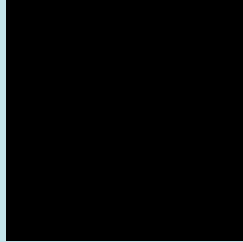
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6827, 72.4235, 87.6608

Background



This preview shows how black text looks on a background with the XYZ color 64.6827, 72.4235, 87.6608.



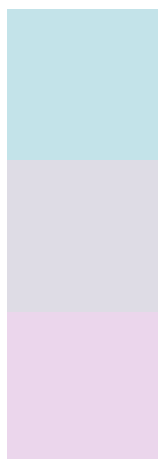
This preview shows how white text looks on a background with the XYZ color 64.6827, 72.4235,

87.6608.

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

64.6827, 72.4235, 87.6608

Protanopia

69.8603, 72.3731, 84.4161

Deuteranopia

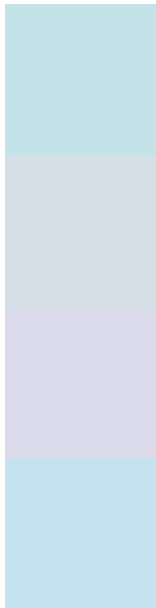
73.4478, 71.8114, 89.3468



Tritanopia

66.1288, 72.1918, 95.2431

Trichromacy



Original Color

64.6827, 72.4235, 87.6608

Protanomaly

67.8220, 72.4856, 85.2794

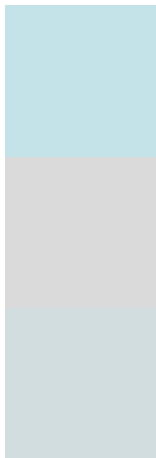
Deuteranomaly

69.8421, 71.8768, 88.7898

Tritanomaly

65.5413, 72.3605, 92.1739

Monochromacy



Original Color

64.6827, 72.4235, 87.6608

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.7541, 70.7423, 80.0010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6827, 72.4235, 87.6608 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(195, 227, 233) looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 233)  
}
```

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(195, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 233) }
```

Border

The CSS property to change the border of an element to XYZ 64.6827, 72.4235, 87.6608 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(195, 227, 233) }
```


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

```
.border{ border-color:rgb(195, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 227, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 227, 233); box-shadow:4px 4px 4px 4px rgb(195, 227, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6827, 72.4235, 87.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 233) }
```

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

```
.background{ background-color: rgb(195,  
227, 233) }
```

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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