

Converting Colors

XYZ(67.4860, 74.7772, 87.2225)

Have a look what the booklet for
XYZ(67.4860, 74.7772, 87.2225)
contains.

XYZ(67.4866, 74.7022, 87.2060)	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(67.4866, 74.7022,
87.2060)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE5E8
RGB	204, 229, 232
RGB Percent	80%, 90%, 91%
CMY	0.2000, 0.1019, 0.0902
CMYK	0.12, 0.01, 0.00, 0.09
HSL	186°, 38%, 85%
HSV	186°, 12%, 91%
XYZ	67.4866, 74.7022, 87.2060
YIQ	221.8670, -15.8630, -4.3670

Conversions

Conversions Part 2

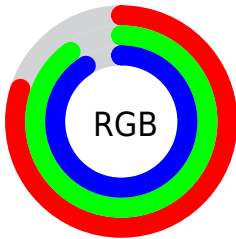
Format	Color
R_{YB}	204, 217, 232
Decimal	13428200
CIE Lab	89.25, -7.61, -4.26
CIE LCh	89, 8.727, 209.241
Yxy	74.7022, 0.2942, 0.3256
Android (android.graphics.Color)	4291618280 (0xFFCCE5E8)
YUV	221.8670, 4.9956, -15.6694
Hunter-Lab	86.4304, -11.8769, 0.6793

Details

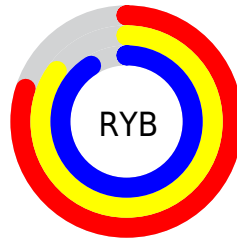
The XYZ color **67.4866, 74.7022, 87.2060** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4910, 66.1407, 66.3899**, and the grayscale version is **69.3129, 72.9226, 79.4127**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5502, 39.8907, 46.9003** is the 20% darker color. If you saturate the color by 10%, you get **60.9138, 70.3032, 86.7045**, and if you desaturate by 10%, it is **75.0207, 79.6154, 87.7584**.

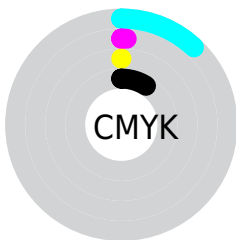
Distribution



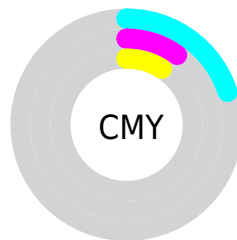
- Red (80%)
- Green (90%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4866, 74.7022, 87.2060 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 67.4866, 74.7022, 87.2060 by changing the saturation by 10% instead.

■ 67.4866, 74.7022,
87.2060

■ 67.4866, 74.7022,
87.2060

441.0802,
476.8934, 539.2333

■ 49.7523, 55.3690,
65.1051

114.6633,
125.8907, 145.3526

■ 35.4336, 39.6972,
47.0944

144.8365,
158.5148, 182.2354

■ 24.1652, 27.3025,
32.7554

179.8867,
196.3379, 224.8826

■ 15.5816, 17.8006,
21.6696

220.1792,
239.7445, 273.7128

■ 9.3175, 10.8069,
13.4183

266.0795,
289.1190, 329.1444

■ 5.0076, 5.9371,
7.5831

317.9528,

■ 2.2865, 2.8069,

344.8457, 391.5960

3.7455

376.1646,
407.3090, 461.4861

0.7878, 1.0318,
1.4868

0.0000, 0.0000,
0.2080

67.4866, 74.7022,
87.2060

67.4866, 74.7022,
87.2060

60.9138, 70.3032,
86.7045

75.0207, 79.6154,
87.7584

55.2542, 66.3874,
86.2470

83.5489, 85.0537,
88.3586

50.4649, 62.9348,
85.8330

85.9320, 87.3388,
88.6741

46.4973, 59.9202,
85.4602

86.6537, 88.7822,
88.9147

■ 43.2977, 57.3159,
85.1262

■ 87.3854, 90.2456,
89.1586

■ 40.8063, 55.0909,
84.8280

■ 88.1271, 91.7290,
89.4058

■ 38.9540, 53.2096,
84.5625

■ 88.8789, 93.2326,
89.6564

■ 37.6580, 51.6292,
84.3258

■ 89.6407, 94.7563,
89.9104

■ 36.9203, 50.5355,
84.1536

■ 90.4128, 96.3004,
90.1677

Harmonies

Analogous

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



66.9834, 74.7022, 81.1827



67.4866, 74.7022, 87.2060



68.9272, 74.7022, 91.8444

Triad

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



67.4866, 74.7022, 87.2060



74.5818, 74.7022, 87.4882



71.0565, 74.7022, 70.1595

Complementary

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



67.4866, 74.7022, 87.2060



66.4910, 66.1407, 66.3899

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.



73.1184, 74.7022, 71.6650



67.4866, 74.7022, 87.2060



75.1786, 74.7022, 81.4934

Square

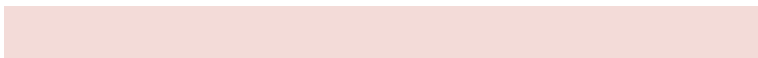
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4866, 74.7022, 87.2060



73.0226, 74.7022, 92.0130



74.6378, 74.7022, 75.7393



69.0194, 74.7022, 71.5223

Rectangle

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



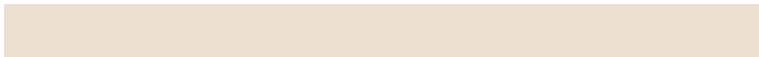
67.4866, 74.7022, 87.2060



70.2401, 74.7022, 93.4197



74.6378, 74.7022, 75.7393



71.7698, 74.7022, 70.3457

Sweetspot

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



67.4888, 74.7053, 87.2077



91.0492, 97.4220, 108.6133



64.9977, 75.0471, 69.9643



19.3320, 20.7511, 23.2364



0.0000, 0.0000, 0.0000



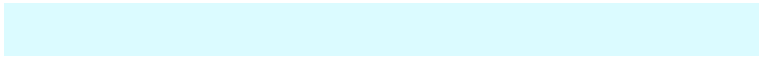
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4888, 74.7053, 87.2077



81.9070, 91.4331, 107.9391



63.8199, 67.3676, 85.9847



14.6688, 16.0590, 18.4709



20.5526, 28.1674, 46.7368



1.5567, 2.1574, 3.4663

Inverse Universe

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



69.0161, 66.0001, 83.2342



84.0907, 79.0561, 102.2424



69.9827, 73.1240, 67.5538



14.9252, 14.5873, 17.8063



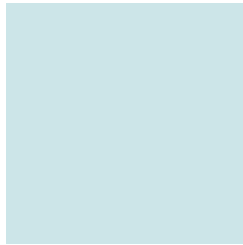
24.7675, 12.0412, 34.0004



1.8494, 0.8975, 2.6134

Previews

White Background



This preview shows how the XYZ color 67.4866, 74.7022, 87.2060 looks on a white background.

Color Contrast Check

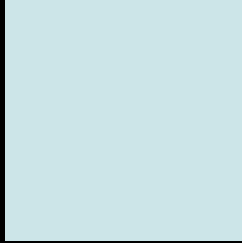
Large Text (above 18pt) WCAG AA × Fail

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 67.4866, 74.7022, 87.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

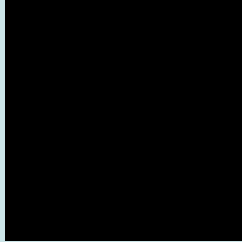
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4866, 74.7022, 87.2060

Background



This preview shows how black text looks on a background with the XYZ color 67.4866, 74.7022, 87.2060.

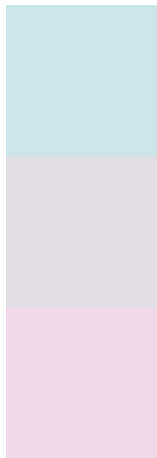


This preview shows how white text looks on a background with the XYZ color 67.4866, 74.7022,

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

67.4866, 74.7022, 87.2060

Protanopia

71.7553, 74.5455, 84.0056

Deuteranopia

75.9398, 74.2670, 88.1744



Tritanopia

69.4041, 74.6526, 97.1376

Trichromacy



Original Color

67.4866, 74.7022, 87.2060

Protanomaly

69.9815, 74.4130, 84.8035

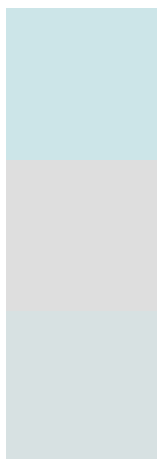
Deuteranomaly

72.5593, 74.0901, 87.5673

Tritanomaly

68.6484, 74.7572, 93.2495

Monochromacy



Original Color

67.4866, 74.7022, 87.2060

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.6770, 73.7885, 82.5744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4866, 74.7022, 87.2060 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(204, 229, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 229, 232)  
}
```

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(204, 229, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 229, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.4866, 74.7022, 87.2060 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(204, 229, 232) }
```


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

```
.border{ border-color:rgb(204, 229, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 229, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 229, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 229, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 229,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4866, 74.7022, 87.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 229, 232) }
```

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

```
.background{ background-color: rgb(204,  
229, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor