

Converting Colors

XYZ(59.2833, 72.2485, 67.6612)

Have a look what the booklet for
XYZ(59.2833, 72.2485, 67.6612)
contains.

XYZ(59.2841, 72.1401, 67.9266)	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(59.2841, 72.1401,
67.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E8CC
RGB	183, 232, 204
RGB Percent	72%, 91%, 80%
CMY	0.2823, 0.0902, 0.2000
CMYK	0.21, 0.00, 0.12, 0.09
HSL	146°, 52%, 81%
HSV	146°, 21%, 91%
XYZ	59.2841, 72.1401, 67.9266
YIQ	214.1570, -20.2160, -19.0960

Conversions

Conversions Part 2

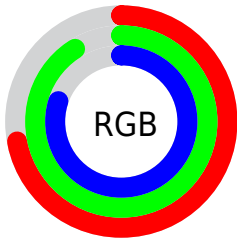
Format	Color
RYB	183, 217, 232
Decimal	12052684
CIELab	88.04, -21.23, 8.48
CIElCh	88, 22.857, 158.223
Yxy	72.1401, 0.2974, 0.3619
Android (android.graphics.Color)	4290242764 (0xFFB7E8CC)
YUV	214.1570, -5.0074, -27.3247
Hunter-Lab	84.9353, -24.0454, 12.0379

Details

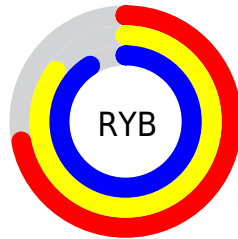
The XYZ color **59.2841, 72.1401, 67.9266** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9725, 55.7276, 69.1212**, and the grayscale version is **64.0662, 67.4026, 73.4014**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **30.0836, 37.9198, 34.5878** is the 20% darker color. If you saturate the color by 10%, you get **52.6912, 68.9193, 59.6682**, and if you desaturate by 10%, it is **66.9259, 75.8900, 76.9438**.

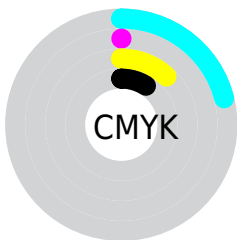
Distribution



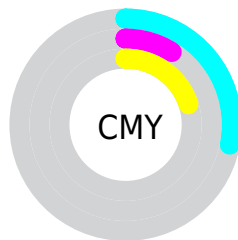
- Red (72%)
- Green (91%)
- Blue (80%)



- Red (72%)
- Yellow (85%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2841, 72.1401, 67.9266 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 59.2841, 72.1401, 67.9266 by changing the saturation by 10% instead.

■ 59.2841, 72.1401,
67.9266

■ 59.2841, 72.1401,
67.9266

411.8311,
468.0291, 471.8269

■ 43.0891, 53.2731,
49.3717

■ 102.9027,
122.2557, 117.9004

■ 30.1499, 38.0209,
34.5468

131.0571,
154.2731, 150.1563

■ 20.1010, 25.9989,
23.0332

163.9286,
191.4428, 187.8163

■ 12.5772, 16.8228,
14.4125

201.8826,
234.1491, 231.2990

■ 7.2130, 10.1082,
8.2661

245.2845,
282.7766, 281.0229

■ 3.6432, 5.4708,
4.1755


294.4997,

■ 1.5023, 2.5260,

337.7094, 337.4064


1.7221

349.8934,
399.3321, 400.8683


 0.3274, 0.8896,
0.3758


 0.0000, 0.0000,
0.0000


 59.2841, 72.1401,
67.9266


 59.2841, 72.1401,
67.9266


 52.6912, 68.9193,
59.6682

 66.9259, 75.8900,
76.9438


 47.0935, 66.1943,
52.1441

 75.6554, 80.1825,
86.7340

 42.4411, 63.9418,
45.3351

 85.5167, 85.0422,
97.3171

 38.6773, 62.1330,
39.2198

 88.1480, 86.1959,
106.5993

■ 35.7393, 60.7358,
33.7751

■ 33.5549, 59.7137,
28.9771

■ 32.0388, 59.0230,
24.7996

■ 31.1305, 58.6249,
21.5863

Harmonies

Analogous

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



62.2823, 72.1401, 57.2412



59.2841, 72.1401, 67.9266



58.7047, 72.1401, 82.9218

Triad

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



59.2841, 72.1401, 67.9266



70.0776, 72.1401, 112.1727



77.1381, 72.1401, 61.3959

Complementary

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



59.2841, 72.1401, 67.9266



61.9725, 55.7276, 69.1212

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.



79.4762, 72.1401, 74.3314



59.2841, 72.1401, 67.9266



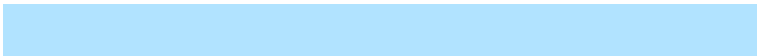
75.2609, 72.1401, 104.5785

Square

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



59.2841, 72.1401, 67.9266



64.7503, 72.1401, 109.8627



78.7716, 72.1401, 90.2233



72.5308, 72.1401, 53.8332

Rectangle

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



59.2841, 72.1401, 67.9266



59.7374, 72.1401, 93.6213



78.7716, 72.1401, 90.2233



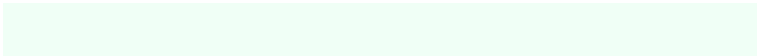
78.2264, 72.1401, 65.1867

Sweetspot

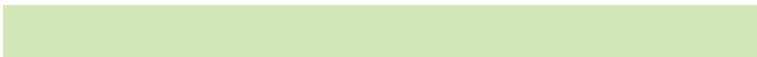
The Sweet Spot groups the original color and five complimentary colors.



59.2861, 72.1431, 67.9282



88.2674, 96.6624, 101.4011



64.4378, 75.0706, 55.8945



18.7413, 20.6152, 21.5339



0.0000, 0.0000, 0.0000



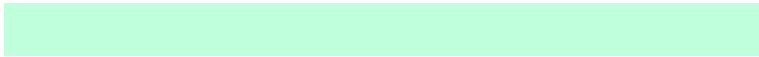
20.3446, 21.4041, 23.3091

Same Dimension

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



59.2861, 72.1431, 67.9282



70.0384, 87.7207, 79.9617



62.3794, 73.3805, 84.2175



14.4444, 16.1912, 16.6051



17.3419, 32.5689, 12.3006



1.3273, 2.4250, 1.1499

Inverse Universe

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



61.9725, 55.7276, 69.1212



73.8846, 64.2144, 81.6666



59.1929, 54.6158, 54.4837



14.7204, 14.5053, 16.7280



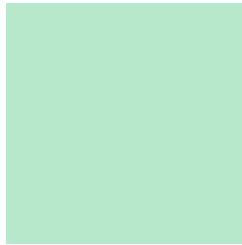
20.8735, 10.4836, 13.4948



1.5888, 0.7932, 1.2411

Previews

White Background



This preview shows how the XYZ color 59.2841, 72.1401, 67.9266 looks on a white background.

Color Contrast Check

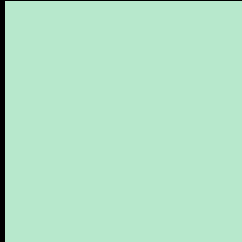
Large Text (above 18pt) WCAG AA × Fail

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 59.2841, 72.1401, 67.9266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

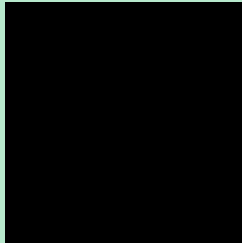
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

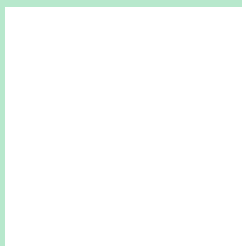
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2841, 72.1401, 67.9266

Background



This preview shows how black text looks on a background with the XYZ color 59.2841, 72.1401, 67.9266.



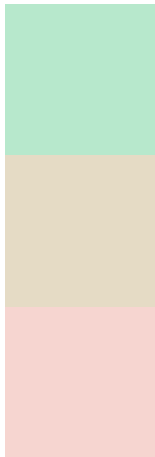
This preview shows how white text looks on a background with the XYZ color 59.2841, 72.1401,

67.9266.

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

59.2841, 72.1401, 67.9266

Protanopia

67.7227, 71.3523, 63.0263

Deuteranopia

73.1855, 71.7354, 69.6635



Tritanopia

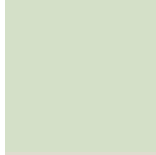
64.7607, 71.8715, 96.0473

Trichromacy



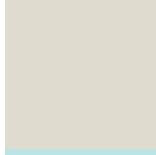
Original Color

59.2841, 72.1401, 67.9266



Protanomaly

64.2324, 71.4785, 65.0549



Deuteranomaly

67.2871, 71.3794, 69.2627



Tritanomaly

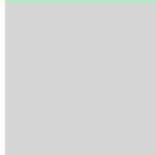
62.3798, 71.7087, 84.6821

Monochromacy



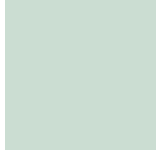
Original Color

59.2841, 72.1401, 67.9266



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

62.1179, 69.0626, 71.0292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2841, 72.1401, 67.9266 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(183, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(183, 232, 204)  
}
```

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(183, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 232, 204) }
```

Border

The CSS property to change the border of an element to XYZ 59.2841, 72.1401, 67.9266 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(183, 232, 204) }
```


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

```
.border{ border-color:rgb(183, 232, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(183, 232,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2841, 72.1401, 67.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 232, 204) }
```

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

```
.background{ background-color: rgb(183,  
232, 204) }
```

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