

Converting Colors

XYZ(58.0522, 72.1477, 69.5571)

Have a look what the booklet for
XYZ(58.0522, 72.1477, 69.5571)
contains.

XYZ(58.0190, 72.3005, 69.2900)	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(58.0190, 72.3005,
69.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	AEEACE
RGB	174, 234, 206
RGB Percent	68%, 92%, 81%
CMY	0.3176, 0.0823, 0.1921
CMYK	0.26, 0.00, 0.12, 0.08
HSL	152°, 59%, 80%
HSV	152°, 26%, 92%
XYZ	58.0190, 72.3005, 69.2900
YIQ	212.8680, -26.7720, -21.4280

Conversions

Conversions Part 2

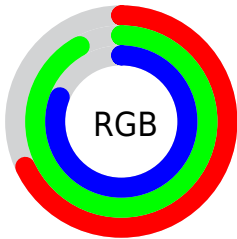
Format	Color
RYB	174, 213, 234
Decimal	11463374
CIELab	88.11, -24.62, 7.48
CIELCh	88, 25.729, 163.106
Yxy	72.3005, 0.2907, 0.3622
Android (android.graphics.Color)	4289653454 (0xFFAAEEACE)
YUV	212.8680, -3.3859, -34.0872
Hunter-Lab	85.0297, -27.0046, 11.2059

Details

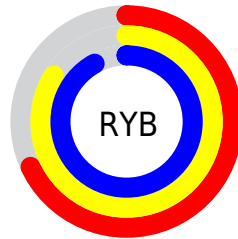
The XYZ color **58.0190, 72.3005, 69.2900** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7310, 52.0307, 62.7751**, and the grayscale version is **63.1940, 66.4850, 72.4022**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **29.3336, 38.1009, 35.5139** is the 20% darker color. If you saturate the color by 10%, you get **51.9723, 69.3333, 62.3212**, and if you desaturate by 10%, it is **65.0700, 75.7787, 76.7901**.

Distribution



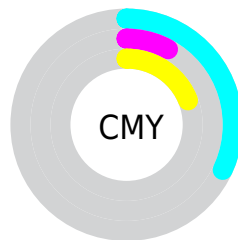
- Red (68%)
- Green (92%)
- Blue (81%)



- Red (68%)
- Yellow (84%)
- Blue (92%)



- Cyan (26%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)



- Cyan (32%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0190, 72.3005, 69.2900 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 58.0190, 72.3005, 69.2900 by changing the saturation by 10% instead.

■ 58.0190, 72.3005,
69.2900

■ 58.0190, 72.3005,
69.2900

407.2094,
468.5869, 476.7747

■ 42.0672, 53.4042,
50.4747

■ 101.0733,
122.4837, 119.8673

■ 29.3453, 38.1255,
35.4169

128.9066,
154.5393, 152.4664

■ 19.4878, 26.0801,
23.6981

161.4311,
191.7502, 190.4971

■ 12.1293, 16.8836,
14.8997

199.0122,
234.5007, 234.3780

■ 6.9047, 10.1515,
8.6032

242.0152,
283.1752, 284.5277

■ 3.4483, 5.4995,
4.3900

290.8055,

■ 1.3951, 2.5432,

338.1581, 341.3647

1.8416

345.7485,
399.8339, 405.3075

■ 0.2527, 0.8982,
0.4552

■ 0.0000, 0.0000,
0.0000

■ 58.0190, 72.3005,
69.2900

■ 58.0190, 72.3005,
69.2900

■ 51.9723, 69.3333,
62.3212

■ 65.0700, 75.7787,
76.7901

■ 46.8751, 66.8432,
55.8669

■ 73.1649, 79.7823,
84.8283

■ 42.6760, 64.8058,
49.9161

■ 82.3483, 84.3359,
93.4173

■ 39.3162, 63.1912,
44.4559

■ 87.8701, 86.9906,
102.3436

■ 36.7297, 61.9654,
39.4723

■ 88.7141, 87.3282,
106.7880

■ 34.8395, 61.0891,
34.9507

■ 33.5513, 60.5138,
30.8751

■ 33.1127, 60.3237,
29.2321

Harmonies

Analogous

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



60.9548, 72.3005, 56.5050



58.0190, 72.3005, 69.2900



57.8386, 72.3005, 86.6509

Triad

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



58.0190, 72.3005, 69.2900



71.4346, 72.3005, 116.5083



77.7151, 72.3005, 57.7829

Complementary

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



58.0190, 72.3005, 69.2900



59.7310, 52.0307, 62.7751

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.



80.8860, 72.3005, 71.2940



58.0190, 72.3005, 69.2900



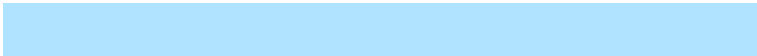
77.1170, 72.3005, 106.1133

Square

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



58.0190, 72.3005, 69.2900



65.3416, 72.3005, 115.7578



80.6608, 72.3005, 88.9754



72.2118, 72.3005, 50.5723

Rectangle

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



58.0190, 72.3005, 69.2900



59.2865, 72.3005, 98.6970



80.6608, 72.3005, 88.9754



79.1034, 72.3005, 61.6438

Sweetspot

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



58.0210, 72.3035, 69.2916



86.4438, 95.7361, 100.6933



61.6939, 74.6013, 51.1935



18.1765, 20.3301, 21.2325



0.0000, 0.0000, 0.0000



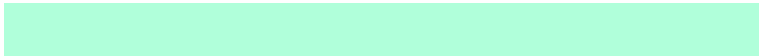
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0210, 72.3035, 69.2916



66.3222, 85.8119, 79.4714



61.4482, 73.2201, 88.7396



15.2041, 16.9965, 17.7577



18.6710, 33.9229, 16.7644



1.5147, 2.6832, 1.5720

Inverse Universe

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



59.7310, 52.0307, 62.7751



68.7458, 57.0872, 70.2415



56.9038, 51.2102, 46.9310



15.3580, 15.1711, 17.1706



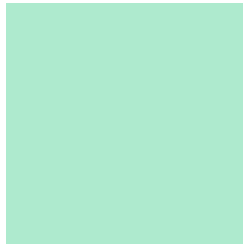
20.6875, 10.4777, 9.4216



1.6727, 0.8420, 0.9936

Previews

White Background



This preview shows how the XYZ color 58.0190, 72.3005, 69.2900 looks on a white background.

Color Contrast Check

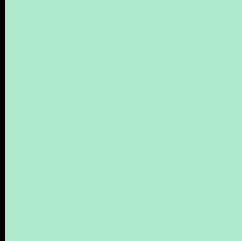
Large Text (above 18pt) WCAG AA × Fail

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 58.0190, 72.3005, 69.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

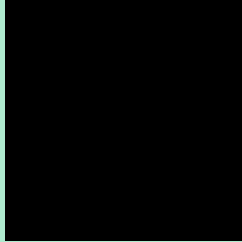
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

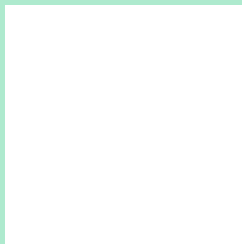
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0190, 72.3005, 69.2900

Background



This preview shows how black text looks on a background with the XYZ color 58.0190, 72.3005, 69.2900.



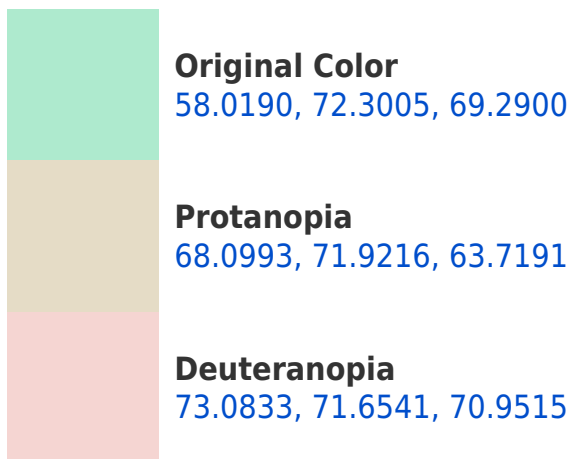
This preview shows how white text looks on a background with the XYZ color 58.0190, 72.3005,

69.2900.

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





Tritanopia

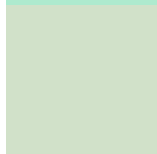
63.6694, 72.0857, 97.7470

Trichromacy



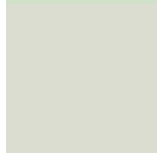
Original Color

58.0190, 72.3005, 69.2900



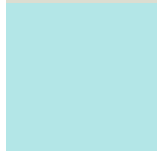
Protanomaly

63.7623, 71.6228, 65.7223



Deuteranomaly

66.5785, 71.3764, 70.5896



Tritanomaly

61.3110, 71.9469, 86.2570

Monochromacy



Original Color

58.0190, 72.3005, 69.2900



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.0425, 68.5082, 70.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0190, 72.3005, 69.2900 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(174, 234, 206)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 206)  
}
```

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(174, 234, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 206) }
```

Border

The CSS property to change the border of an element to XYZ 58.0190, 72.3005, 69.2900 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(174, 234, 206) }
```


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

```
.border{ border-color:rgb(174, 234, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 206);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0190, 72.3005, 69.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 206) }
```

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

```
.background{ background-color: rgb(174,  
234, 206) }
```

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