

Converting Colors

XYZ(60.7797, 72.9572, 89.4768)

Have a look what the booklet for
XYZ(60.7797, 72.9572, 89.4768)
contains.

XYZ(60.7119, 72.8220, 89.4535)	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(60.7119, 72.8220,
89.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE9EB
RGB	170, 233, 235
RGB Percent	67%, 91%, 92%
CMY	0.3333, 0.0863, 0.0784
CMYK	0.28, 0.01, 0.00, 0.08
HSL	182°, 62%, 79%
HSV	182°, 28%, 92%
XYZ	60.7119, 72.8220, 89.4535
YIQ	214.3910, -38.1900, -12.7340

Conversions

Conversions Part 2

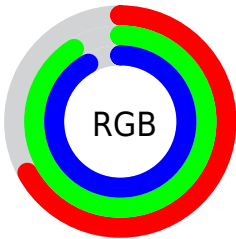
Format	Color
RYB	170, 202, 235
Decimal	11201003
CIELab	88.36, -19.23, -7.38
CIElCh	88, 20.599, 200.995
Yxy	72.8220, 0.2723, 0.3266
Android (android.graphics.Color)	4289391083 (0xFFAAE9EB)
YUV	214.3910, 10.1602, -38.9309
Hunter-Lab	85.3358, -22.3444, -2.4158

Details

The XYZ color **60.7119, 72.8220, 89.4535** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.2701, 50.0701, 44.7306**, and the grayscale version is **64.1337, 67.4736, 73.4788**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **30.9291, 38.3438, 48.4188** is the 20% darker color. If you saturate the color by 10%, you get **55.8754, 70.0277, 89.1703**, and if you desaturate by 10%, it is **66.4615, 76.0920, 89.7828**.

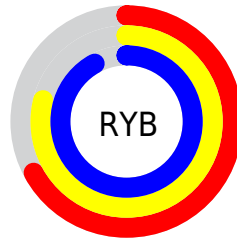
Distribution



Red (67%)

Green (91%)

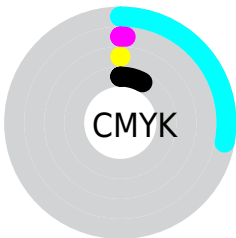
Blue (92%)



Red (67%)

Yellow (79%)

Blue (92%)

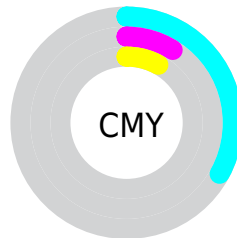


Cyan (28%)

Magenta (1%)

Yellow (0%)

Black (8%)



Cyan (33%)

Magenta (9%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7119, 72.8220, 89.4535 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 60.7119, 72.8220, 89.4535 by changing the saturation by 10% instead.

60.7119, 72.8220,
89.4535

60.7119, 72.8220,
89.4535

417.0097,
470.3977, 546.7757

44.2444, 53.8304,
66.9563

104.9622,
123.2245, 148.5079

31.0614, 38.4661,
48.5877

133.4756,
155.4042, 185.9022

20.7977, 26.3446,
33.9293

166.7350,
192.7487, 229.0994

13.0878, 17.0817,
22.5624

205.1058,
235.6425, 278.5178

7.5664, 10.2927,
14.0684

248.9533,
284.4699, 334.5761

3.8683, 5.5935,
8.0290

298.6429,

1.6279, 2.5995,

339.6152, 397.6928

4.0255

354.5399,
401.4631, 468.2865

■ 0.4105, 0.9264,
1.6393

■ 0.0000, 0.0000,
0.3186

■ 60.7119, 72.8220,
89.4535

■ 60.7119, 72.8220,
89.4535

■ 55.8754, 70.0277,
89.1703

■ 66.4615, 76.0920,
89.7828

■ 51.8973, 67.6753,
88.9259


■ 73.1627, 79.8519,
90.1554


■ 48.7269, 65.7404,
88.7195


■ 80.8593, 84.1263,
90.5748


■ 46.3054, 64.1929,
88.5484


■ 86.2003, 87.1875,
90.8841


 44.5662, 62.9984,
88.4095


 86.4085, 87.6039,
90.9536


 43.4309, 62.1165,
88.2991


 86.6175, 88.0221,
91.0232

 42.7940, 61.4927,
88.2123

 86.8274, 88.4419,
91.0932

 42.6786, 61.3642,
88.1936

 87.0382, 88.8634,
91.1635

 87.2498, 89.2865,
91.2340

Harmonies

Analogous

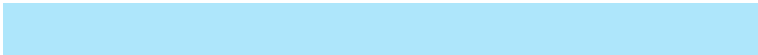
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.2420, 72.8220, 75.1045



60.7119, 72.8220, 89.4535



63.4014, 72.8220, 102.3911

Triad

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



60.7119, 72.8220, 89.4535



76.8703, 72.8220, 97.6947



70.7141, 72.8220, 55.3210

Complementary

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



60.7119, 72.8220, 89.4535



56.2701, 50.0701, 44.7306

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.



75.3738, 72.8220, 59.9557



60.7119, 72.8220, 89.4535



79.0377, 72.8220, 83.6298

Square

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



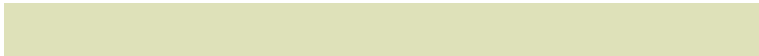
60.7119, 72.8220, 89.4535



72.6782, 72.8220, 107.5290



78.4774, 72.8220, 69.9285



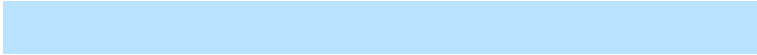
65.8638, 72.8220, 56.4873

Rectangle

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



60.7119, 72.8220, 89.4535



66.1646, 72.8220, 107.9260



78.4774, 72.8220, 69.9285



72.3580, 72.8220, 56.2295

Sweetspot

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



60.7140, 72.8249, 89.4552



87.7394, 95.9348, 108.5007



53.6460, 70.9076, 49.4304



18.5042, 20.3800, 23.2084



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.



60.7140, 72.8249, 89.4552



69.7525, 85.7423, 107.4813



52.5584, 56.5137, 86.7366



15.4757, 17.0378, 19.3952



23.7705, 34.1879, 49.0891



1.8791, 2.7096, 3.8588

Inverse Universe

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



63.3454, 52.2966, 83.8496



73.4110, 57.3837, 99.6469



63.0120, 63.5539, 46.9779



15.6937, 15.3053, 18.9381



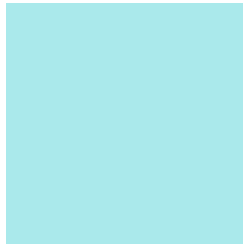
26.8535, 12.9441, 41.8915



2.1150, 1.0189, 3.3227

Previews

White Background



This preview shows how the XYZ color 60.7119, 72.8220, 89.4535 looks on a white background.

Color Contrast Check

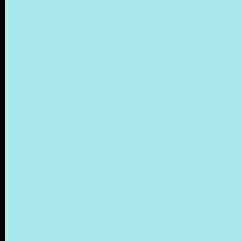
Large Text (above 18pt) WCAG AA × Fail

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 60.7119, 72.8220, 89.4535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

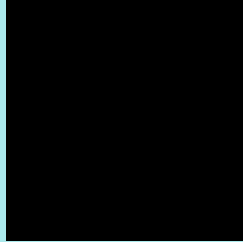
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.7119, 72.8220, 89.4535

Background



This preview shows how black text looks on a background with the XYZ color 60.7119, 72.8220, 89.4535.

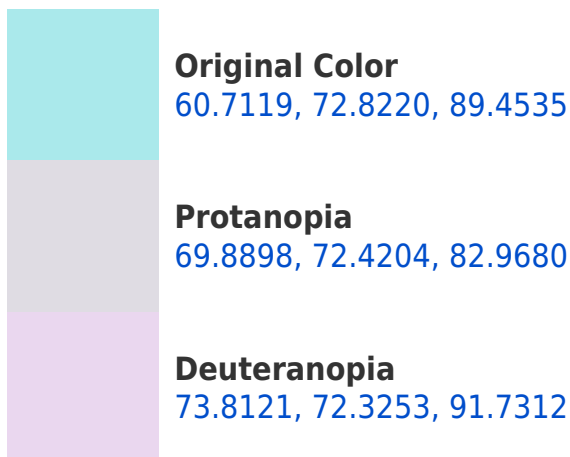


This preview shows how white text looks on a background with the XYZ color 60.7119, 72.8220,

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

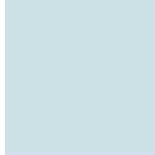
62.9084, 72.8756, 100.3733

Trichromacy



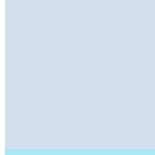
Original Color

60.7119, 72.8220, 89.4535



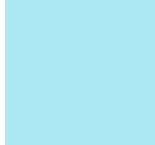
Protanomaly

66.1100, 72.4010, 85.3533



Deuteranomaly

68.4179, 72.2645, 91.2314



Tritanomaly

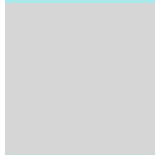
62.1990, 73.0155, 96.4031

Monochromacy



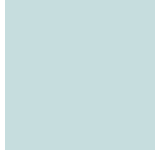
Original Color

60.7119, 72.8220, 89.4535



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

62.3300, 68.9926, 79.1390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7119, 72.8220, 89.4535 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(170, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(170, 233, 235)  
}
```

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(170, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 233, 235) }
```

Border

The CSS property to change the border of an element to XYZ 60.7119, 72.8220, 89.4535 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(170, 233, 235) }
```


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

```
.border{ border-color:rgb(170, 233, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 233, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(170, 233,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7119, 72.8220, 89.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 233, 235) }
```

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

```
.background{ background-color: rgb(170,  
233, 235) }
```

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