

Converting Colors

XYZ(59.6143, 71.8489, 80.8298)

Have a look what the booklet for
XYZ(59.6143, 71.8489, 80.8298)
contains.

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Color

**XYZ(59.6315, 72.0396,
80.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE8DF
RGB	174, 232, 223
RGB Percent	68%, 91%, 87%
CMY	0.3176, 0.0902, 0.1255
CMYK	0.25, 0.00, 0.04, 0.09
HSL	171°, 56%, 80%
HSV	171°, 25%, 91%
XYZ	59.6315, 72.0396, 80.5742
YIQ	213.6320, -31.6790, -15.0950

Conversions

Conversions Part 2

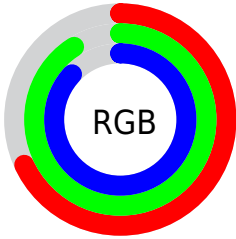
Format	Color
RYB	174, 205, 232
Decimal	11462879
CIELab	87.99, -20.18, -1.61
CIELCh	88, 20.249, 184.567
Yxy	72.0396, 0.2810, 0.3394
Android (android.graphics.Color)	4289652959 (0xFFAEE8DF)
YUV	213.6320, 4.6184, -34.7573
Hunter-Lab	84.8761, -23.1244, 3.1284

Details

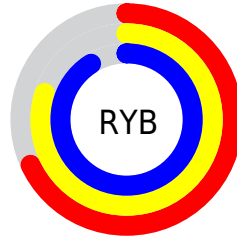
The XYZ color **59.6315, 72.0396, 80.5742** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.9646, 50.8489, 51.6152**, and the grayscale version is **63.6561, 66.9712, 72.9316**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **30.3389, 37.8709, 42.7566** is the 20% darker color. If you saturate the color by 10%, you get **54.4227, 69.4118, 77.8241**, and if you desaturate by 10%, it is **65.7474, 75.1377, 83.4237**.

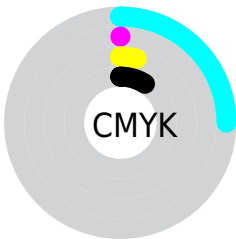
Distribution



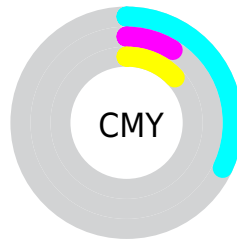
- Red (68%)
- Green (91%)
- Blue (87%)



- Red (68%)
- Yellow (80%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (32%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6315, 72.0396, 80.5742 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 59.6315, 72.0396, 80.5742 by changing the saturation by 10% instead.

■ 59.6315, 72.0396,
80.5742

■ 59.6315, 72.0396,
80.5742

413.0947,
467.6794, 516.6235

■ 43.3700, 53.1910,
59.6620

■ 103.4043,
122.1128, 135.9914

■ 30.3713, 37.9553,
42.7228

131.6463,
154.1063, 171.3335

■ 20.2701, 25.9480,
29.3379

164.6126,
191.2501, 212.3227

■ 12.7009, 16.7847,
19.0888

202.6684,
233.9288, 259.3775

■ 7.2985, 10.0811,
11.5570

246.1792,
282.5267, 312.9164

■ 3.6975, 5.4528,
6.3239

295.5103,

■ 1.5324, 2.5153,

337.4281, 373.3581

2.9711

351.0270,
399.0176, 441.1209

■ 0.3477, 0.8843,
1.0799

■ 0.0000, 0.0000,
0.0000

■ 59.6315, 72.0396,
80.5742

■ 59.6315, 72.0396,
80.5742

■ 54.4227, 69.4118,
77.8241

■ 65.7474, 75.1377,
83.4237

■ 50.0690, 67.2216,
75.1661

■ 72.8070, 78.7191,
86.3701

■ 46.5222, 65.4464,
72.5992

■ 80.8521, 82.8074,
89.4171

■ 43.7273, 64.0575,
70.1203

■ 85.4433, 85.1139,
92.3574

■ 41.6218, 63.0229,
67.7263

■ 85.9761, 85.3270,
95.1630

■ 40.1334, 62.3053,
65.4133

■ 86.5195, 85.5444,
98.0245

■ 39.1733, 61.8588,
63.1770

■ 87.0736, 85.7661,
100.9424

■ 38.8210, 61.7010,
62.0843

■ 87.6385, 85.9920,
103.9170

■ 88.1479, 86.1957,
106.5993

Harmonies

Analogous

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



60.4283, 72.0396, 67.5701



59.6315, 72.0396, 80.5742



61.1107, 72.0396, 94.5045

Triad

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



59.6315, 72.0396, 80.5742



73.8727, 72.0396, 102.4220



72.5345, 72.0396, 56.8026

Complementary

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



59.6315, 72.0396, 80.5742



56.9646, 50.8489, 51.6152

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.



76.4008, 72.0396, 64.3057



59.6315, 72.0396, 80.5742



77.1985, 72.0396, 90.4148

Square

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



59.6315, 72.0396, 80.5742



69.2131, 72.0396, 108.0254



78.1446, 72.0396, 76.3416



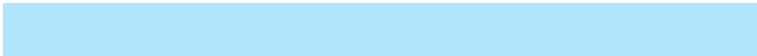
67.7352, 72.0396, 54.8173

Rectangle

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



59.6315, 72.0396, 80.5742



63.2312, 72.0396, 102.1471



78.1446, 72.0396, 76.3416



73.9935, 72.0396, 58.7160

Sweetspot

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



59.6336, 72.0425, 80.5758



87.4333, 96.1319, 105.9044



56.1863, 70.9215, 50.7737



18.4266, 20.4302, 22.5492



0.0000, 0.0000, 0.0000



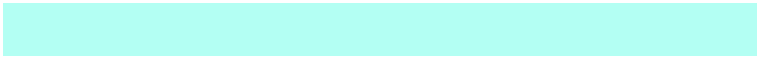
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6336, 72.0425, 80.5758



70.4317, 87.5229, 98.0753



55.7338, 62.2484, 85.4249



14.7063, 16.2959, 17.9839



21.5893, 34.2678, 34.6670



1.6214, 2.5427, 2.6989

Inverse Universe

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



56.9646, 50.8489, 51.6152



66.5953, 57.0342, 56.4285



60.0649, 58.5016, 48.1720



14.4677, 14.4043, 15.3975



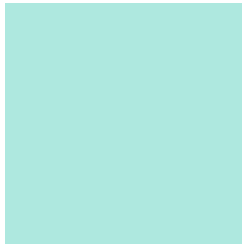
18.6811, 9.6067, 1.9499



1.4086, 0.7212, 0.2923

Previews

White Background



This preview shows how the XYZ color 59.6315, 72.0396, 80.5742 looks on a white background.

Color Contrast Check

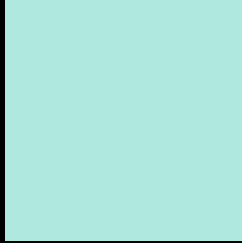
Large Text (above 18pt) WCAG AA × Fail

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 59.6315, 72.0396, 80.5742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

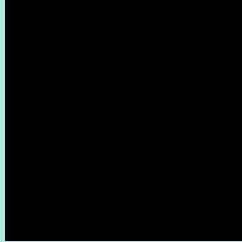
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

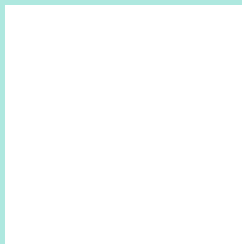
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6315, 72.0396, 80.5742

Background



This preview shows how black text looks on a background with the XYZ color 59.6315, 72.0396, 80.5742.



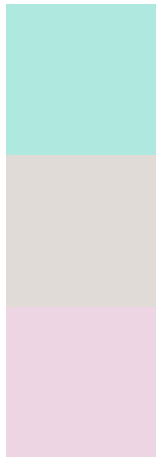
This preview shows how white text looks on a background with the XYZ color 59.6315, 72.0396,

80.5742.

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

59.6315, 72.0396, 80.5742

Protanopia

68.7775, 71.6285, 75.1665

Deuteranopia

72.9193, 71.3117, 82.5943



Tritanopia

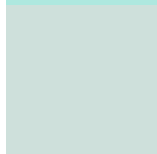
63.1223, 71.7859, 98.5249

Trichromacy



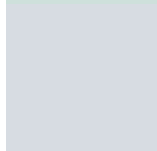
Original Color

59.6315, 72.0396, 80.5742



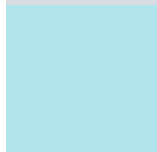
Protanomaly

64.8954, 71.5476, 77.4075



Deuteranomaly

67.3450, 71.1245, 82.1304



Tritanomaly

61.5834, 71.5588, 91.4554

Monochromacy



Original Color

59.6315, 72.0396, 80.5742



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.9340, 68.8648, 75.6736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6315, 72.0396, 80.5742 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, 232, 223)` looks like.

```
.text, #text, p{  
    color:rgb(174, 232, 223)  
}
```

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, 232, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 232, 223) }
```

Border

The CSS property to change the border of an element to XYZ 59.6315, 72.0396, 80.5742 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, 232, 223) }
```


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

```
.border{ border-color:rgb(174, 232, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 232, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 232, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 232, 223);  
box-shadow:4px 4px 4px 4px rgb(174, 232,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6315, 72.0396, 80.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 232, 223) }
```

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

```
.background{ background-color: rgb(174,  
232, 223) }
```

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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