

Converting Colors

XYZ(60.1987, 72.0132, 81.3639)

Have a look what the booklet for
XYZ(60.1987, 72.0132, 81.3639)
contains.

XYZ(60.1619, 71.8808, 81.2245)	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(60.1619, 71.8808,
81.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E7E0
RGB	177, 231, 224
RGB Percent	69%, 91%, 88%
CMY	0.3059, 0.0941, 0.1216
CMYK	0.23, 0.00, 0.03, 0.09
HSL	172°, 53%, 80%
HSV	172°, 23%, 91%
XYZ	60.1619, 71.8808, 81.2245
YIQ	214.0560, -29.9370, -13.6250

Conversions

Conversions Part 2

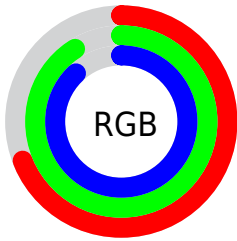
Format	Color
RYB	177, 206, 231
Decimal	11659232
CIELab	87.91, -18.59, -2.23
CIElCh	88, 18.723, 186.839
Yxy	71.8808, 0.2821, 0.3370
Android (android.graphics.Color)	4289849312 (0xFFB1E7E0)
YUV	214.0560, 4.9024, -32.4981
Hunter-Lab	84.7825, -21.7054, 2.5460

Details

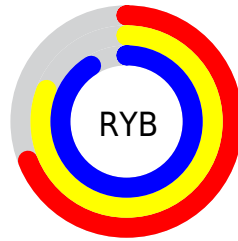
The XYZ color **60.1619, 71.8808, 81.2245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3314, 51.8958, 52.3455**, and the grayscale version is **63.9383, 67.2681, 73.2550**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **30.6598, 37.7355, 43.2038** is the 20% darker color. If you saturate the color by 10%, you get **54.9369, 69.2356, 78.8791**, and if you desaturate by 10%, it is **66.2888, 74.9939, 83.6526**.

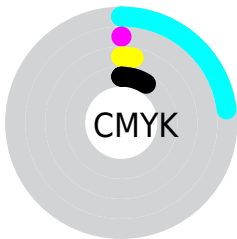
Distribution



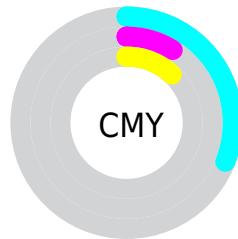
- Red (69%)
- Green (91%)
- Blue (88%)



- Red (69%)
- Yellow (81%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1619, 71.8808, 81.2245 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 60.1619, 71.8808, 81.2245 by changing the saturation by 10% instead.

60.1619, 71.8808,
81.2245

60.1619, 71.8808,
81.2245

415.0195,
467.1266, 518.8651

43.7991, 53.0613,
60.1944

104.1695,
121.8870, 136.9129

30.7098, 37.8517,
43.1490

132.5450,
153.8426, 172.4082

20.5287, 25.8676,
29.6698

165.6555,
190.9456, 213.5624

12.8905, 16.7246,
19.3382

203.8662,
233.5805, 260.7940

7.4296, 10.0384,
11.7356

247.5427,
282.1316, 314.5216

3.7809, 5.4244,
6.4436

297.0501,

1.5790, 2.4984,

336.9834, 375.1636

3.0435

352.7539,
398.5203, 443.1386

■ 0.3786, 0.8758,
1.1169

■ 0.0000, 0.0000,
0.0000

■ 60.1619, 71.8808,
81.2245

■ 60.1619, 71.8808,
81.2245

■ 54.9369, 69.2356,
78.8791

■ 66.2888, 74.9939,
83.6526

■ 50.5628, 67.0264,
76.6091


■ 73.3532, 78.5875,
86.1605


■ 46.9929, 65.2309,
74.4138

■ 81.3962, 82.6848,
88.7520


■ 44.1734, 63.8215,
72.2904


■ 84.9553, 84.4697,
91.1716


 42.0441, 62.7671,
70.2359


 85.3943, 84.6453,
93.4833

 40.5353, 62.0317,
68.2469

 85.8406, 84.8238,
95.8337

 39.5624, 61.5719,
66.3192

 86.2943, 85.0053,
98.2228

 39.1255, 61.3738,
65.0720

 86.7554, 85.1897,
100.6510

 87.2240, 85.3772,
103.1183

Harmonies

Analogous

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



60.7421, 71.8808, 69.0063



60.1619, 71.8808, 81.2245



61.6904, 71.8808, 93.9191

Triad

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



60.1619, 71.8808, 81.2245



73.5874, 71.8808, 99.5921



71.7461, 71.8808, 57.8042

Complementary

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



60.1619, 71.8808, 81.2245



57.3314, 51.8958, 52.3455

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.



75.4095, 71.8808, 64.4565



60.1619, 71.8808, 81.2245



76.5044, 71.8808, 88.3190

Square

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



60.1619, 71.8808, 81.2245



69.3459, 71.8808, 105.2443



77.1853, 71.8808, 75.3802



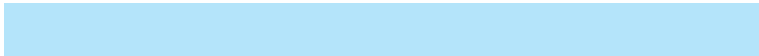
67.3053, 71.8808, 56.3435

Rectangle

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



60.1619, 71.8808, 81.2245



63.7404, 71.8808, 100.6568



77.1853, 71.8808, 75.3802



73.1150, 71.8808, 59.4693

Sweetspot

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



60.1640, 71.8837, 81.2261



88.4147, 96.6222, 106.6558



56.3290, 70.5443, 52.2437



18.8080, 20.6219, 22.7878



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.



60.1640, 71.8837, 81.2261



72.0263, 88.2989, 100.2275



55.9014, 61.8070, 84.5884



14.7228, 16.3025, 18.0709



21.9661, 34.4185, 36.6512



1.6457, 2.5524, 2.8270

Inverse Universe

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



57.3314, 51.8958, 52.3455



67.9074, 59.2190, 58.2211



60.8141, 60.0073, 49.9735



14.4527, 14.3983, 15.3183



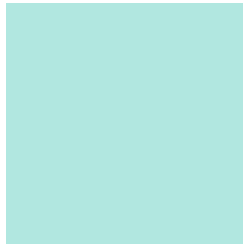
18.6312, 9.5867, 1.6869



1.4015, 0.7183, 0.2547

Previews

White Background



This preview shows how the XYZ color 60.1619, 71.8808, 81.2245 looks on a white background.

Color Contrast Check

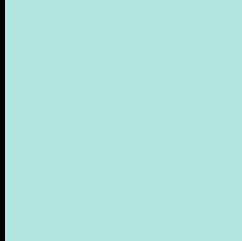
Large Text (above 18pt) WCAG AA × Fail

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 60.1619, 71.8808, 81.2245 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

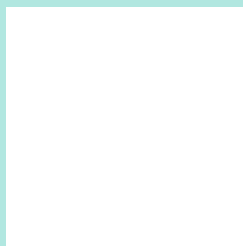
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.1619, 71.8808, 81.2245

Background



This preview shows how black text looks on a background with the XYZ color 60.1619, 71.8808, 81.2245.

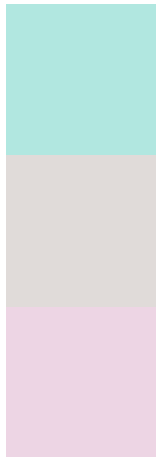


This preview shows how white text looks on a background with the XYZ color 60.1619, 71.8808,

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

60.1619, 71.8808, 81.2245

Protanopia

68.5964, 71.5201, 75.8350

Deuteranopia

72.7229, 71.1945, 83.3078



Tritanopia

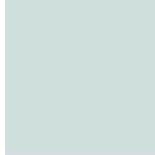
63.4340, 71.9644, 97.7360

Trichromacy



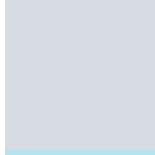
Original Color

60.1619, 71.8808, 81.2245



Protanomaly

65.0381, 71.2081, 78.0268



Deuteranomaly

67.4827, 71.1795, 82.8554



Tritanomaly

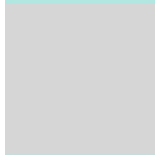
62.2743, 71.9150, 91.4877

Monochromacy



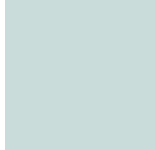
Original Color

60.1619, 71.8808, 81.2245



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

62.3355, 68.6659, 76.2981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1619, 71.8808, 81.2245 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(177, 231, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 224)  
}
```

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(177, 231, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 224) }
```

Border

The CSS property to change the border of an element to XYZ 60.1619, 71.8808, 81.2245 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(177, 231, 224) }
```


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

```
.border{ border-color:rgb(177, 231, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1619, 71.8808, 81.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 224) }
```

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

```
.background{ background-color: rgb(177,  
231, 224) }
```

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