

Converting Colors

XYZ(62.2900, 71.5005, 83.6573)

Have a look what the booklet for
XYZ(62.2900, 71.5005, 83.6573)
contains.

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Color

**XYZ(62.4860, 71.7796,
83.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE4E4
RGB	188, 228, 228
RGB Percent	74%, 89%, 89%
CMY	0.2627, 0.1059, 0.1059
CMYK	0.18, 0.00, 0.00, 0.11
HSL	180°, 43%, 82%
HSV	180°, 18%, 89%
XYZ	62.4860, 71.7796, 83.9603
YIQ	216.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

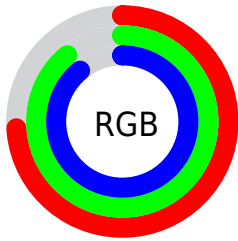
Format	Color
R_{YB}	188, 208, 228
Decimal	12379364
CIE _{Lab}	87.86, -12.92, -4.33
CIE _{LCh}	88, 13.626, 198.518
Yxy	71.7796, 0.2863, 0.3289
Android (android.graphics.Color)	4290569444 (0xFFBCE4E4)
YUV	216.0400, 5.8963, -24.5911
Hunter-Lab	84.7228, -16.6151, 0.5496

Details

The XYZ color **62.4860, 71.7796, 83.9603** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0577, 56.0932, 55.2943**, and the grayscale version is **65.2719, 68.6711, 74.7828**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **32.3179, 37.9726, 45.1613** is the 20% darker color. If you saturate the color by 10%, you get **57.3073, 69.1118, 83.7182**, and if you desaturate by 10%, it is **68.5562, 74.9108, 84.2472**.

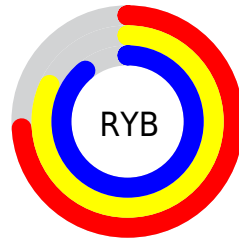
Distribution



Red (74%)

Green (89%)

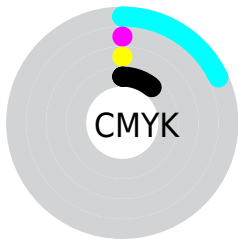
Blue (89%)



Red (74%)

Yellow (82%)

Blue (89%)

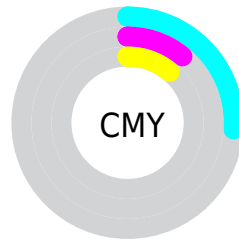


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4860, 71.7796, 83.9603 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 62.4860, 71.7796, 83.9603 by changing the saturation by 10% instead.


 62.4860, 71.7796,
83.9603

 62.4860, 71.7796,
83.9603


423.3910,
466.7741, 528.2360

 45.6826, 52.9787,
62.4375


 107.5136,
121.7431, 140.7809

 32.1990, 37.7857,
44.9482


136.4685,
153.6745, 176.9157

 21.6698, 25.8164,
31.0740


170.2047,
190.7515, 218.7582

 13.7297, 16.6864,
20.3962

209.0874,
233.3584, 266.7271

 8.0134, 10.0111,
12.4965

253.4820,
281.8798, 321.2407

 4.1554, 5.4063,
6.9561

303.7539,

 1.7904, 2.4876,

336.6999, 382.7177

3.3566

360.2685,
398.2032, 451.5766

■ 0.5119, 0.8704,
1.2795

■ 0.0000, 0.0000,
0.0449

■ 62.4860, 71.7796,
83.9603

■ 62.4860, 71.7796,
83.9603

■ 57.3073, 69.1118,
83.7182

■ 68.5562, 74.9108,
84.2472

■ 52.9723, 66.8771,
83.5140


■ 75.5505, 78.5164,
84.5758


■ 49.4382, 65.0552,
83.3474


■ 82.9892, 82.3512,
84.9252

■ 46.6560, 63.6210,
83.2159


■ 82.9895, 82.3513,
84.9265


 44.5713, 62.5463,
83.1171


 82.9897, 82.3514,
84.9277


 43.1224, 61.7993,
83.0480


 82.9900, 82.3515,
84.9290

 42.2367, 61.3428,
83.0053

 82.9902, 82.3516,
84.9303

 41.8166, 61.1263,
82.9843

 82.9905, 82.3517,
84.9316

 41.7465, 61.0901,
82.9807

 82.9907, 82.3518,
84.9329

Harmonies

Analogous

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



62.2996, 71.7796, 74.6577



62.4860, 71.7796, 83.9603



64.1805, 71.7796, 92.2984

Triad

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



62.4860, 71.7796, 83.9603



72.9987, 71.7796, 90.5795



69.4720, 71.7796, 61.9427

Complementary

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



62.4860, 71.7796, 83.9603



59.0577, 56.0932, 55.2943

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.



72.4346, 71.7796, 65.5371



62.4860, 71.7796, 83.9603



74.5133, 71.7796, 81.7614

Square

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



62.4860, 71.7796, 83.9603



70.2221, 71.7796, 96.3236



74.3037, 71.7796, 72.6252



66.2649, 71.7796, 62.4293

Rectangle

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



62.4860, 71.7796, 83.9603



65.9683, 71.7796, 95.9612



74.3037, 71.7796, 72.6252



70.5313, 71.7796, 62.7015

Sweetspot

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



62.4881, 71.7826, 83.9619



90.5137, 97.6615, 108.6869



57.7262, 69.8968, 58.0271



19.2425, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



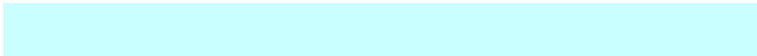
20.3446, 21.4041, 23.3091

Same Dimension

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



62.4881, 71.7826, 83.9619



78.0179, 91.2197, 108.0994



57.4634, 61.7326, 82.2891



14.8075, 16.3364, 18.5169



24.1049, 35.2741, 47.9140



1.7813, 2.6066, 3.5408

Inverse Universe

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



59.0577, 56.0932, 55.2943



72.8278, 67.4819, 64.7257



63.4682, 64.9147, 56.7628



14.3771, 14.3680, 14.9202



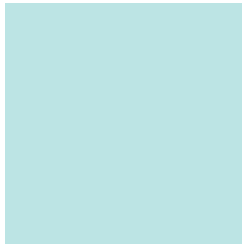
18.4751, 9.5243, 0.8650



1.3653, 0.7038, 0.0640

Previews

White Background



This preview shows how the XYZ color 62.4860, 71.7796, 83.9603 looks on a white background.

Color Contrast Check

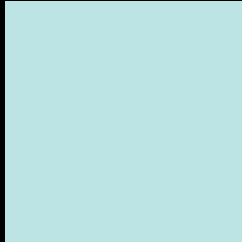
Large Text (above 18pt) WCAG AA × Fail

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 62.4860, 71.7796, 83.9603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

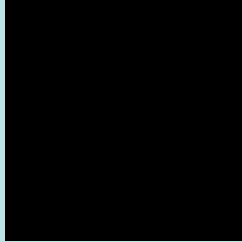
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

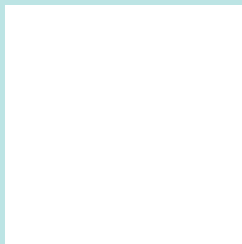
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.4860, 71.7796, 83.9603

Background



This preview shows how black text looks on a background with the XYZ color 62.4860, 71.7796, 83.9603.

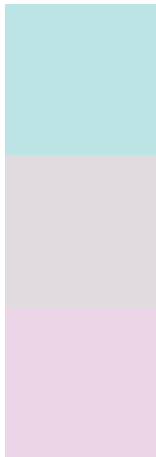


This preview shows how white text looks on a background with the XYZ color 62.4860, 71.7796,

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

62.4860, 71.7796, 83.9603

Protanopia

69.0822, 71.6787, 80.0064

Deuteranopia

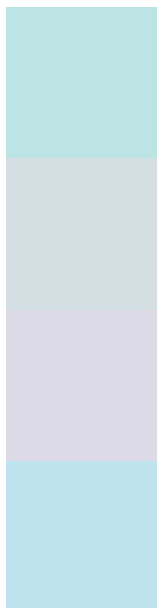
72.8101, 71.1909, 85.5050



Tritanopia

65.0113, 72.0007, 96.0590

Trichromacy



Original Color

62.4860, 71.7796, 83.9603

Protanomaly

66.2902, 71.3804, 81.5181

Deuteranomaly

68.5677, 70.9160, 84.9372

Tritanomaly

64.1369, 72.0584, 91.4172

Monochromacy



Original Color

62.4860, 71.7796, 83.9603

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.9651, 69.4755, 77.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4860, 71.7796, 83.9603 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(188, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(188, 228, 228)  
}
```

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(188, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 228, 228) }
```

Border

The CSS property to change the border of an element to XYZ 62.4860, 71.7796, 83.9603 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(188, 228, 228) }
```


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

```
.border{ border-color:rgb(188, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(188, 228,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4860, 71.7796, 83.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 228, 228) }
```

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

```
.background{ background-color: rgb(188,  
228, 228) }
```

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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