

Converting Colors

XYZ(63.8771, 71.8104, 82.6845)

Have a look what the booklet for
XYZ(63.8771, 71.8104, 82.6845)
contains.

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Color

**XYZ(63.6888, 71.6195,
82.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E2E2
RGB	196, 226, 226
RGB Percent	77%, 89%, 89%
CMY	0.2314, 0.1137, 0.1137
CMYK	0.13, 0.00, 0.00, 0.11
HSL	180°, 34%, 83%
HSV	180°, 13%, 89%
XYZ	63.6888, 71.6195, 82.4187
YIQ	217.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

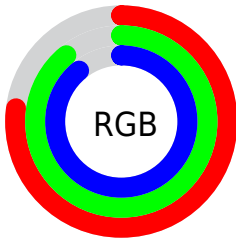
Format	Color
RYB	196, 211, 226
Decimal	12903138
CIELab	87.79, -9.82, -3.33
CIELCh	88, 10.366, 198.747
Yxy	71.6195, 0.2925, 0.3289
Android (android.graphics.Color)	4291093218 (0xFFC4E2E2)
YUV	217.0300, 4.4222, -18.4433
Hunter-Lab	84.6283, -13.7656, 1.4978

Details

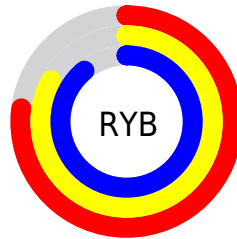
The XYZ color **63.6888, 71.6195, 82.4187** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0704, 59.6361, 60.5199**, and the grayscale version is **65.9550, 69.3898, 75.5655**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.0689, 37.8169, 44.0845** is the 20% darker color. If you saturate the color by 10%, you get **58.2476, 68.8164, 82.1638**, and if you desaturate by 10%, it is **70.0197, 74.8851, 82.7183**.

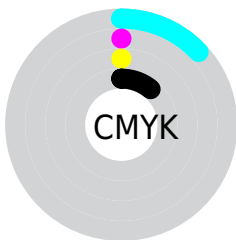
Distribution



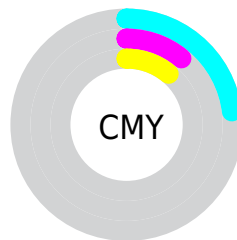
- Red (77%)
- Green (89%)
- Blue (89%)



- Red (77%)
- Yellow (83%)
- Blue (89%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6888, 71.6195, 82.4187 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 63.6888, 71.6195, 82.4187 by changing the saturation by 10% instead.

63.6888, 71.6195,
82.4187

63.6888, 71.6195,
82.4187

427.6850,
466.2161, 522.9673

46.6594, 52.8479,
61.1729

109.2389,
121.5154, 138.6030

32.9733, 37.6814,
43.9333

138.4903,
153.4085, 174.3785

22.2651, 25.7355,
30.2812

172.5464,
190.4442, 215.8343

14.1695, 16.6259,
19.7983

211.7726,
233.0070, 263.3890

8.3212, 9.9681,
12.0659

256.5341,
281.4812, 317.4612

4.3547, 5.3778,
6.6655

307.1965,

1.9047, 2.4706,

336.2512, 378.4692

3.1785

364.1250,
397.7013, 446.8318

■ 0.5795, 0.8619,
1.1865

■ 0.0000, 0.0000,
0.0000

■ 63.6888, 71.6195,
82.4187

■ 63.6888, 71.6195,
82.4187

■ 58.2476, 68.8164,
82.1638

■ 70.0197, 74.8851,
82.7183

■ 53.6503, 66.4465,
81.9469

■ 77.2710, 78.6232,
83.0594

■ 49.8566, 64.4908,
81.7675

■ 82.1664, 81.1468,
83.2903

■ 46.8205, 62.9256,
81.6237

■ 82.1667, 81.1470,
83.2921

■ 44.4909, 61.7247,
81.5129

■ 82.1671, 81.1471,
83.2938

■ 42.8110, 60.8588,
81.4325

■ 82.1674, 81.1473,
83.2956

■ 41.7149, 60.2937,
81.3794

■ 82.1677, 81.1474,
83.2974

■ 41.1229, 59.9886,
81.3499

■ 82.1681, 81.1475,
83.2992

■ 40.9224, 59.8853,
81.3394

■ 82.1684, 81.1477,
83.3010

Harmonies

Analogous

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



63.5358, 71.6195, 75.3667



63.6888, 71.6195, 82.4187



64.9994, 71.6195, 88.6203

Triad

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



63.6888, 71.6195, 82.4187



71.6921, 71.6195, 87.2632



68.9998, 71.6195, 65.4306

Complementary

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



63.6888, 71.6195, 82.4187



61.0704, 59.6361, 60.5199

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.



71.2403, 71.6195, 68.2300



63.6888, 71.6195, 82.4187



72.8195, 71.6195, 80.6560

Square

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



63.6888, 71.6195, 82.4187



69.6044, 71.6195, 91.5315



72.6522, 71.6195, 73.7064



66.5626, 71.6195, 65.8393

Rectangle

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



63.6888, 71.6195, 82.4187



66.3713, 71.6195, 91.3062



72.6522, 71.6195, 73.7064



69.8019, 71.6195, 66.0205

Sweetspot

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



63.6909, 71.6225, 82.4203



91.3963, 98.1165, 108.7281



60.0575, 70.1842, 62.6073



19.4202, 20.9276, 23.2656



0.0000, 0.0000, 0.0000



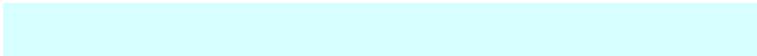
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6909, 71.6225, 82.4203



81.5992, 93.0660, 108.2668



59.9132, 64.0664, 81.1633



14.1166, 15.5724, 17.6491



23.3451, 34.1629, 46.4020



1.6182, 2.3680, 3.2164

Inverse Universe

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



61.0704, 59.6361, 60.5199



77.5010, 74.3199, 74.0158



64.5007, 66.4973, 61.6615



13.7074, 13.7006, 14.2291



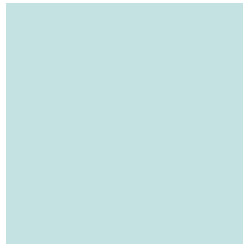
17.8933, 9.2243, 0.8379



1.2403, 0.6394, 0.0582

Previews

White Background



This preview shows how the XYZ color 63.6888, 71.6195, 82.4187 looks on a white background.

Color Contrast Check

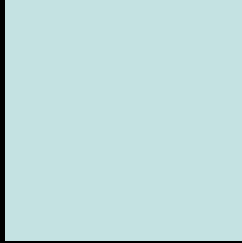
Large Text (above 18pt) WCAG AA × Fail

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 63.6888, 71.6195, 82.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

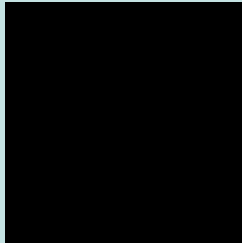
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6888, 71.6195, 82.4187

Background



This preview shows how black text looks on a background with the XYZ color 63.6888, 71.6195, 82.4187.

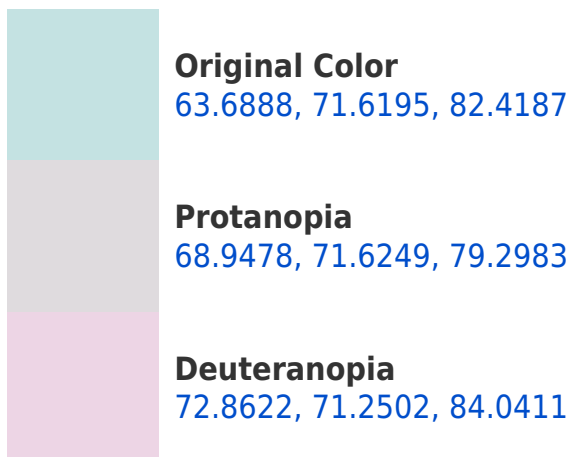


This preview shows how white text looks on a background with the XYZ color 63.6888, 71.6195,

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

66.0860, 71.8043, 93.5956

Trichromacy



Original Color

63.6888, 71.6195, 82.4187

Protanomaly

66.8811, 71.7164, 80.1297

Deuteranomaly

69.1992, 71.2738, 83.5088

Tritanomaly

65.3542, 71.9123, 89.7928

Monochromacy



Original Color

63.6888, 71.6195, 82.4187

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.8060, 69.9090, 77.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6888, 71.6195, 82.4187 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(196, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 226, 226)  
}
```

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(196, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 63.6888, 71.6195, 82.4187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

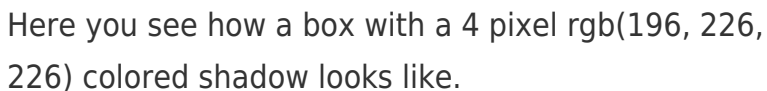
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 226, 226) }
```


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

```
.border{ border-color:rgb(196, 226, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 226, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 226, 226); box-shadow:4px 4px 4px 4px rgb(196, 226, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6888, 71.6195, 82.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 226, 226) }
```

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

```
.background{ background-color: rgb(196,  
226, 226) }
```

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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