

# Converting Colors

XYZ(63.4669, 71.5450, 79.2193)

Have a look what the booklet for  
XYZ(63.4669, 71.5450, 79.2193)  
contains.

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# Color

**XYZ(63.5362, 71.6189,  
78.8817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6E2DD
RGB	198, 226, 221
RGB Percent	78%, 89%, 87%
CMY	0.2235, 0.1137, 0.1333
CMYK	0.12, 0.00, 0.02, 0.11
HSL	169°, 33%, 83%
HSV	169°, 12%, 89%
XYZ	63.5362, 71.6189, 78.8817
YIQ	217.0580, -15.0830, -7.4910

# Conversions

## Conversions Part 2

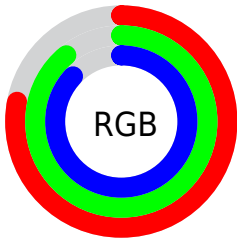
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 213, 226
Decimal	13034205
CIE Lab	87.78, -10.16, -0.69
CIE LCh	88, 10.188, 183.864
Yxy	71.6189, 0.2968, 0.3346
Android (android.graphics.Color)	4291224285 (0xFFC6E2DD)
YUV	217.0580, 1.9434, -16.7139
Hunter-Lab	84.6280, -14.0863, 3.9754

# Details

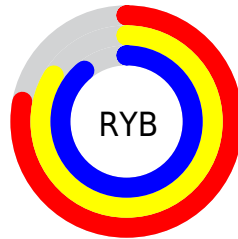
The XYZ color **63.5362, 71.6189, 78.8817** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3402, 60.8706, 64.9667**, and the grayscale version is **65.9892, 69.4258, 75.6047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9474, 37.8083, 41.6376** is the 20% darker color. If you saturate the color by 10%, you get **57.4868, 68.5637, 75.8250**, and if you desaturate by 10%, it is **70.4916, 75.1435, 82.0513**.

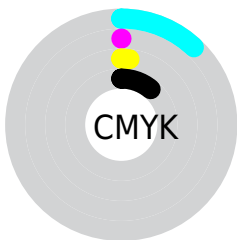
# Distribution



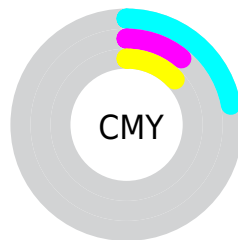
- Red (78%)
- Green (89%)
- Blue (87%)



- Red (78%)
- Yellow (84%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (22%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5362, 71.6189, 78.8817 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 63.5362, 71.6189, 78.8817 by changing the saturation by 10% instead.



63.5362, 71.6189,  
78.8817

63.5362, 71.6189,  
78.8817

427.1417,  
466.2140, 510.7631

46.5354, 52.8474,  
58.2778

109.0202,  
121.5146, 133.5895

32.8749, 37.6810,  
41.6159

138.2341,  
153.4075, 168.5304

22.1894, 25.7352,  
28.4773

172.2498,  
190.4431, 209.0875

14.1135, 16.6256,  
18.4436

211.4325,  
233.0057, 255.6791

8.2819, 9.9679,  
11.0962

256.1477,  
281.4797, 308.7240

4.3292, 5.3777,  
6.0166

306.7607,

1.8900, 2.4705,

336.2495, 368.6406

2.7862

363.6369,  
397.6995, 435.8474

■ 0.5710, 0.8618,  
0.9865

■ 0.0000, 0.0000,  
0.0000

■ 63.5362, 71.6189,  
78.8817

■ 63.5362, 71.6189,  
78.8817

■ 57.4868, 68.5637,  
75.8250

■ 70.4916, 75.1435,  
82.0513

■ 52.2978, 65.9486,  
72.8742

■ 78.3836, 79.1476,  
85.3313

■ 47.9291, 63.7549,  
70.0284

■ 83.1622, 81.5451,  
88.5341

■ 44.3348, 61.9590,  
67.2850

■ 83.7462, 81.7787,  
91.6094

41.4644, 60.5348,  
64.6412

84.3435, 82.0177,  
94.7548

39.2615, 59.4532,  
62.0937

84.9542, 82.2619,  
97.9707

37.6611, 58.6809,  
59.6391

85.5783, 82.5116,  
101.2574

36.5849, 58.1773,  
57.2733

86.2160, 82.7667,  
104.6155

36.0207, 57.9246,  
55.5276

86.4877, 82.8753,  
106.0459

# Harmonies

## Analogous

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



63.9813, 71.6189, 72.2596



63.5362, 71.6189, 78.8817



64.2825, 71.6189, 85.6403

# Triad

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



63.5362, 71.6189, 78.8817



70.6960, 71.6189, 89.5716



70.1409, 71.6189, 66.6244

# Complementary

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



63.5362, 71.6189, 78.8817



62.3402, 60.8706, 64.9667

# 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.



72.0068, 71.6189, 70.7922



63.5362, 71.6189, 78.8817



72.3326, 71.6189, 83.9963

# Square

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



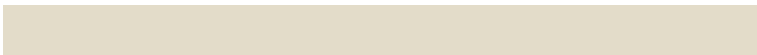
63.5362, 71.6189, 78.8817



68.3855, 71.6189, 92.0387



72.8179, 71.6189, 77.0868



67.7587, 71.6189, 65.4326



# Rectangle

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



63.5362, 71.6189, 78.8817



65.3658, 71.6189, 89.2396



72.8179, 71.6189, 77.0868



70.8511, 71.6189, 67.7112

# Sweetspot

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



63.5382, 71.6219, 78.8833



91.1044, 97.9997, 107.1910



62.0565, 71.1882, 63.8973



19.3460, 20.8979, 22.8751



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

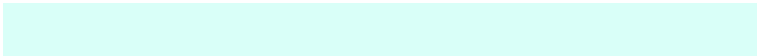


# Same Dimension

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



63.5382, 71.6219, 78.8833



81.2700, 93.0210, 102.6134



61.8656, 67.1938, 81.6640



14.0060, 15.5281, 17.0667



20.5889, 33.0604, 31.8878



1.4549, 2.3027, 2.3569



# Inverse Universe

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



62.3402, 60.8706, 64.9667



79.3867, 76.1162, 80.7334



63.8400, 64.8093, 62.5720



13.8067, 13.7403, 14.7524



18.1463, 9.3255, 2.1703

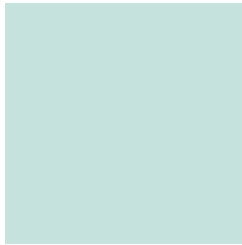


1.2877, 0.6583, 0.3078



# Previews

## White Background



This preview shows how the XYZ color 63.5362, 71.6189, 78.8817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

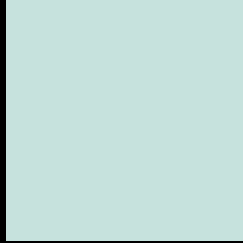
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5362, 71.6189, 78.8817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

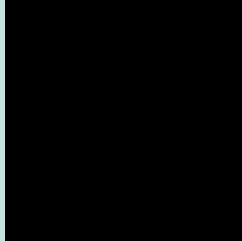
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

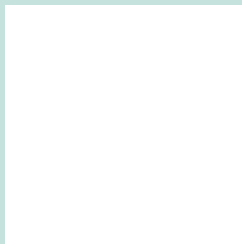
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.5362, 71.6189, 78.8817

## Background



This preview shows how black text looks on a background with the XYZ color 63.5362, 71.6189, 78.8817.



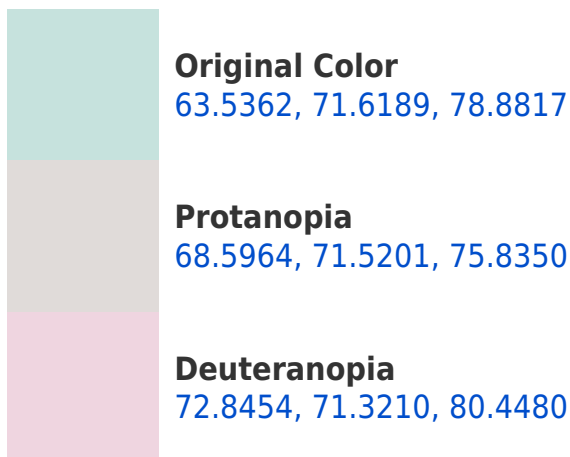
This preview shows how white text looks on a background with the XYZ color 63.5362, 71.6189,



# 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

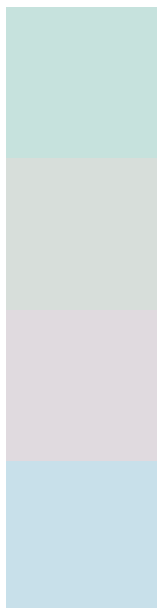




## Tritanopia

66.3523, 71.5437, 93.5313

# Trichromacy



## Original Color

63.5362, 71.6189, 78.8817

## Protanomaly

66.8005, 71.7516, 76.6583

## Deuteranomaly

69.1312, 71.3178, 79.9341

## Tritanomaly

65.3264, 71.5312, 88.2057

# Monochromacy



## Original Color

63.5362, 71.6189, 78.8817

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.8264, 69.9500, 76.4146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5362, 71.6189, 78.8817 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(198, 226, 221) looks like.

```
.text, #text, p{  
    color:rgb(198, 226, 221)  
}
```

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(198, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 226, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5362, 71.6189, 78.8817 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(198, 226, 221) }
```



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

```
.border{ border-color:rgb(198, 226, 221) }
```

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

Here you see how a box with a 4 pixel rgb(198, 226, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(198, 226,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5362, 71.6189, 78.8817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 226, 221) }
```

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

```
.background{ background-color: rgb(198,  
226, 221) }
```

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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