

Converting Colors

XYZ(63.9784, 72.1417, 83.9515)

Have a look what the booklet for
XYZ(63.9784, 72.1417, 83.9515)
contains.

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Color

**XYZ(63.9784, 72.1417,
83.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E3E4
RGB	195, 227, 228
RGB Percent	76%, 89%, 89%
CMY	0.2353, 0.1098, 0.1059
CMYK	0.14, 0.00, 0.00, 0.11
HSL	182°, 38%, 83%
HSV	182°, 14%, 89%
XYZ	63.9784, 72.1417, 83.9515
YIQ	217.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

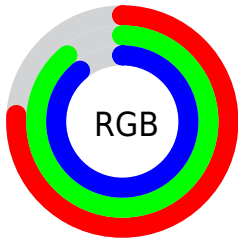
Format	Color
R_{YB}	195, 211, 228
Decimal	12837860
CIE Lab	88.04, -10.24, -4.02
CIE LCh	88, 11.000, 201.440
Yxy	72.1417, 0.2907, 0.3278
Android (android.graphics.Color)	4291027940 (0xFFC3E3E4)
YUV	217.5460, 5.1538, -19.7728
Hunter-Lab	84.9363, -14.1830, 0.8528

Details

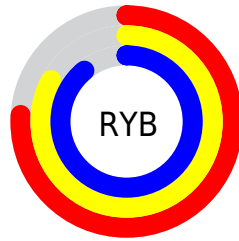
The XYZ color **63.9784, 72.1417, 83.9515** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.5858, 59.9140, 59.9498**, and the grayscale version is **66.3050, 69.7580, 75.9665**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **33.2799, 38.1849, 45.1516** is the 20% darker color. If you saturate the color by 10%, you get **58.3438, 68.9598, 83.6355**, and if you desaturate by 10%, it is **70.5174, 75.7948, 84.3131**.

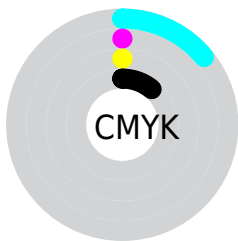
Distribution



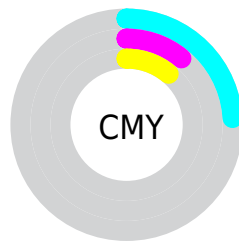
- Red (76%)
- Green (89%)
- Blue (89%)



- Red (76%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9784, 72.1417, 83.9515 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 63.9784, 72.1417, 83.9515 by changing the saturation by 10% instead.

63.9784, 72.1417,
83.9515

63.9784, 72.1417,
83.9515

428.7151,
468.0347, 528.2060

46.8948, 53.2744,
62.4302

109.6537,
122.2580, 140.7685

33.1601, 38.0219,
44.9424

138.9762,
154.2758, 176.9012

22.4089, 25.9997,
31.0694

173.1089,
191.4459, 218.7416

14.2760, 16.8234,
20.3928

212.4174,
234.1527, 266.7081

8.3958, 10.1087,
12.4940

257.2669,
282.7805, 321.2192

4.4032, 5.4711,
6.9544

308.0227,

1.9327, 2.5262,

337.7139, 382.6935

3.3556

365.0504,
399.3371, 451.5496

■ 0.5957, 0.8897,
1.2790

■ 0.0000, 0.0000,
0.0445

■ 63.9784, 72.1417,
83.9515

■ 63.9784, 72.1417,
83.9515

■ 58.3438, 68.9598,
83.6355

■ 70.5174, 75.7948,
84.3131

■ 53.5668, 66.2191,
83.3582


■ 77.9926, 79.9298,
84.7173


■ 49.6056, 63.9002,
83.1194


■ 83.2828, 82.9394,
85.0194


■ 46.4126, 61.9783,
82.9167


■ 83.4738, 83.3215,
85.0830


 43.9351, 60.4265,
82.7478


 83.6656, 83.7051,
85.1470


 42.1140, 59.2142,
82.6098


 83.8582, 84.0902,
85.2112


 40.8807, 58.3059,
82.4995

 84.0515, 84.4768,
85.2756

 40.1512, 57.6586,
82.4130

 84.2455, 84.8650,
85.3403

 39.8904, 57.3746,
82.3719

 84.4404, 85.2547,
85.4052

Harmonies

Analogous

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



63.6991, 72.1417, 76.4188



63.9784, 72.1417, 83.9515



65.4712, 72.1417, 90.4003

Triad

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



63.9784, 72.1417, 83.9515



72.5902, 72.1417, 87.9061



69.3223, 72.1417, 65.1095

Complementary

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



63.9784, 72.1417, 83.9515



61.5858, 59.9140, 59.9498

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.



71.7620, 72.1417, 67.7835



63.9784, 72.1417, 83.9515



73.6800, 72.1417, 80.7205

Square

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



63.9784, 72.1417, 83.9515



70.4295, 72.1417, 92.7829



73.3731, 72.1417, 73.3854



66.7406, 72.1417, 65.8527

Rectangle

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



63.9784, 72.1417, 83.9515



66.9750, 72.1417, 93.0608



73.3731, 72.1417, 73.3854



70.1871, 72.1417, 65.6320

Sweetspot

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



63.9805, 72.1447, 83.9531



91.2982, 97.9201, 108.6963



60.1631, 71.0553, 62.5019



19.3953, 20.8776, 23.2575



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.



63.9805, 72.1447, 83.9531



80.4442, 91.8524, 108.0972



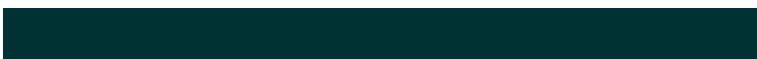
59.7925, 63.7686, 82.5571



14.7682, 16.2577, 18.5040



23.0504, 33.1630, 47.5694



1.7152, 2.4743, 3.5191

Inverse Universe

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



65.3768, 61.0718, 81.0188



82.5359, 75.3081, 103.6920



65.4025, 67.5474, 61.2221



14.9753, 14.6073, 18.0704



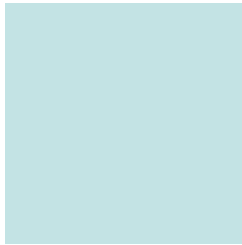
26.0283, 12.5455, 40.6395



1.9294, 0.9295, 3.0345

Previews

White Background



This preview shows how the XYZ color 63.9784, 72.1417, 83.9515 looks on a white background.

Color Contrast Check

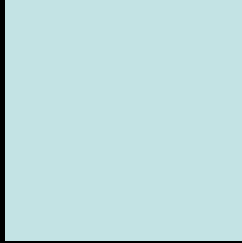
Large Text (above 18pt) WCAG AA × Fail

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 63.9784, 72.1417, 83.9515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

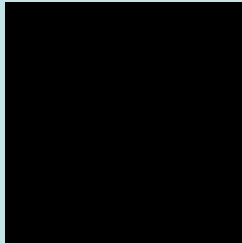
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

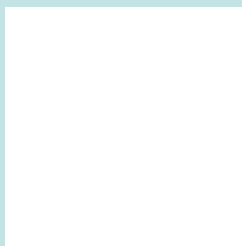
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9784, 72.1417, 83.9515

Background



This preview shows how black text looks on a background with the XYZ color 63.9784, 72.1417, 83.9515.

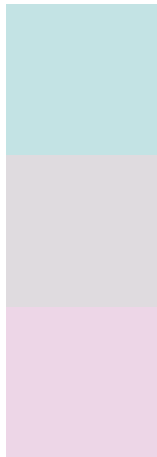


This preview shows how white text looks on a background with the XYZ color 63.9784, 72.1417,

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

63.9784, 72.1417, 83.9515

Protanopia

69.0822, 71.6787, 80.0064

Deuteranopia

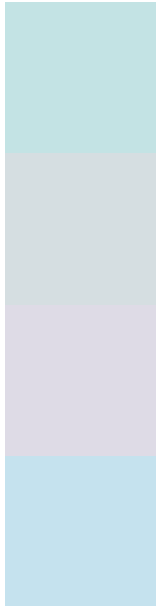
73.3954, 71.8672, 85.6047



Tritanopia

66.3916, 72.3273, 95.2554

Trichromacy



Original Color

63.9784, 72.1417, 83.9515

Protanomaly

67.1525, 71.8249, 81.5584

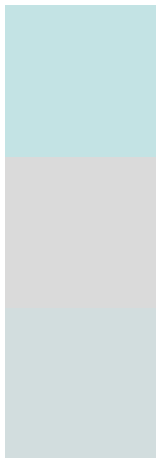
Deuteranomaly

69.7386, 71.9058, 85.0665

Tritanomaly

65.6549, 72.4361, 91.4101

Monochromacy



Original Color

63.9784, 72.1417, 83.9515

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.6196, 70.6885, 79.2930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9784, 72.1417, 83.9515 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(195, 227, 228) looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 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(195, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.9784, 72.1417, 83.9515 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(195, 227, 228) }
```


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

```
.border{ border-color:rgb(195, 227, 228) }
```

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

Here you see how a box with a 4 pixel rgb(195, 227, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(195, 227,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9784, 72.1417, 83.9515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 228) }
```

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

```
.background{ background-color: rgb(195,  
227, 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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