

Converting Colors

XYZ(64.0638, 70.2195, 86.8831)

Have a look what the booklet for
XYZ(64.0638, 70.2195, 86.8831)
contains.

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Color

**XYZ(63.9755, 70.0745,
86.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DEE8
RGB	198, 222, 232
RGB Percent	78%, 87%, 91%
CMY	0.2235, 0.1294, 0.0902
CMYK	0.15, 0.04, 0.00, 0.09
HSL	198°, 43%, 84%
HSV	198°, 15%, 91%
XYZ	63.9755, 70.0745, 86.4978
YIQ	215.9640, -17.5140, -1.9780

Conversions

Conversions Part 2

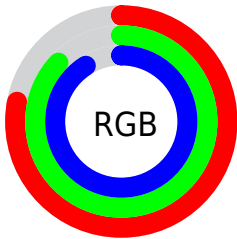
Format	Color
R _Y B	198, 212, 232
Decimal	13033192
CIE Lab	87.03, -5.92, -7.59
CIE LCh	87, 9.623, 232.033
Yxy	70.0745, 0.2901, 0.3177
Android (android.graphics.Color)	4291223272 (0xFFC6DDE8)
YUV	215.9640, 7.9057, -15.7544
Hunter-Lab	83.7105, -10.0753, -2.6668

Details

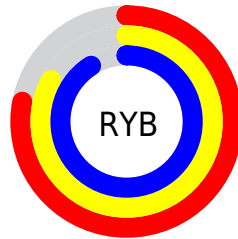
The XYZ color **63.9755, 70.0745, 86.4978** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0282, 66.3448, 62.7533**, and the grayscale version is **65.2038, 68.5995, 74.7049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1568, 36.7013, 46.4108** is the 20% darker color. If you saturate the color by 10%, you get **56.5476, 63.6115, 85.6429**, and if you desaturate by 10%, it is **72.4175, 77.1728, 87.4241**.

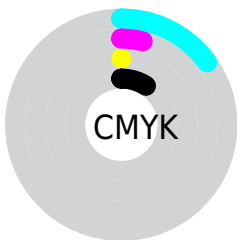
Distribution



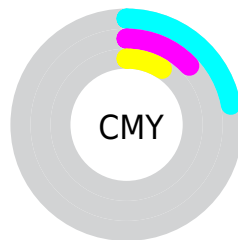
- Red (78%)
- Green (87%)
- Blue (91%)



- Red (78%)
- Yellow (83%)
- Blue (91%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9755, 70.0745, 86.4978 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 63.9755, 70.0745, 86.4978 by changing the saturation by 10% instead.

■ 63.9755, 70.0745,
86.4978

■ 63.9755, 70.0745,
86.4978

428.7048,
460.8115, 536.8445

■ 46.8924, 51.5873,
64.5224

109.6496,
119.3150, 144.3566

■ 33.1582, 36.6762,
46.6251

138.9713,
150.8370, 181.0772

■ 22.4075, 24.9569,
32.3871

173.1033,
187.4728, 223.5499

■ 14.2749, 16.0449,
21.3901

212.4109,
229.6067, 272.1933

■ 8.3951, 9.5560,
13.2154

257.2595,
277.6232, 327.4259

■ 4.4027, 5.1056,
7.4446

308.0145,

■ 1.9324, 2.3093,

331.9065, 389.6663

3.6590

365.0411,
392.8412, 459.3330

■ 0.5956, 0.7786,
1.4402

■ 0.0000, 0.0000,
0.1728

■ 63.9755, 70.0745,
86.4978

■ 63.9755, 70.0745,
86.4978

■ 56.5476, 63.6115,
85.6429

■ 72.4175, 77.1728,
87.4241

■ 50.0844, 57.7516,
84.8525

■ 81.9080, 84.9198,
88.4192

■ 44.5411, 52.4722,
84.1256

■ 87.6977, 90.8704,
89.2626

■ 39.8672, 47.7459,
83.4597

■ 89.7714, 95.0177,
89.9538

■ 36.0067, 43.5425,
82.8518

■ 91.5657, 98.6063,
90.5519

■ 32.8967, 39.8283,
82.2988

■ 30.4645, 36.5644,
81.7970

■ 28.6210, 33.7033,
81.3420

■ 27.8028, 32.3005,
81.1143

Harmonies

Analogous

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



62.6705, 70.0745, 81.0458



63.9755, 70.0745, 86.4978



66.0054, 70.0745, 89.2494

Triad

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



63.9755, 70.0745, 86.4978



70.9841, 70.0745, 78.0308



64.9927, 70.0745, 65.3729

Complementary

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



63.9755, 70.0745, 86.4978



66.0282, 66.3448, 62.7533

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.



67.2056, 70.0745, 64.6665



63.9755, 70.0745, 86.4978



70.6982, 70.0745, 71.7417

Square

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



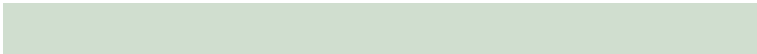
63.9755, 70.0745, 86.4978



70.0756, 70.0745, 84.1845



69.3029, 70.0745, 66.9355



63.2485, 70.0745, 68.9224

Rectangle

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



63.9755, 70.0745, 86.4978



67.5104, 70.0745, 89.0800



69.3029, 70.0745, 66.9355



65.7052, 70.0745, 64.8034

Sweetspot

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



63.9776, 70.0774, 86.4994



90.4471, 96.2179, 108.4126



63.4867, 74.2563, 70.4264



19.1792, 20.4455, 23.1855



0.0000, 0.0000, 0.0000



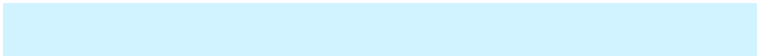
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9776, 70.0774, 86.4994



75.9775, 83.9992, 106.8168



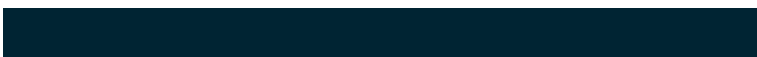
59.7747, 61.6717, 85.0984



14.4308, 15.5830, 18.3916



15.5490, 18.1601, 45.0689



1.2285, 1.5010, 3.3569

Inverse Universe

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



66.6593, 62.8195, 77.7226



80.0176, 73.2910, 93.5435



70.2992, 74.8867, 64.1769



14.8050, 14.5392, 17.1737



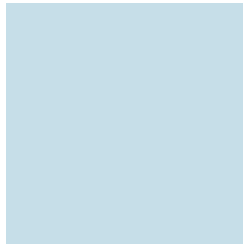
22.2419, 11.0310, 20.7007



1.6837, 0.8312, 1.7411

Previews

White Background



This preview shows how the XYZ color 63.9755, 70.0745, 86.4978 looks on a white background.

Color Contrast Check

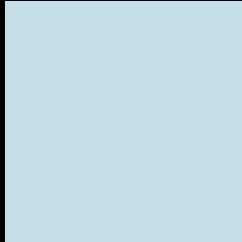
Large Text (above 18pt) WCAG AA × Fail

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 63.9755, 70.0745, 86.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

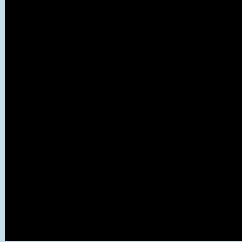
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

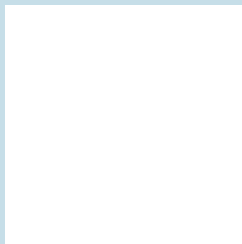
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9755, 70.0745, 86.4978

Background



This preview shows how black text looks on a background with the XYZ color 63.9755, 70.0745, 86.4978.

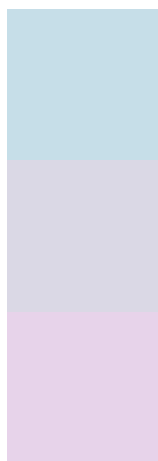


This preview shows how white text looks on a background with the XYZ color 63.9755, 70.0745,

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

63.9755, 70.0745, 86.4978

Protanopia

67.6122, 69.6743, 84.0137

Deuteranopia

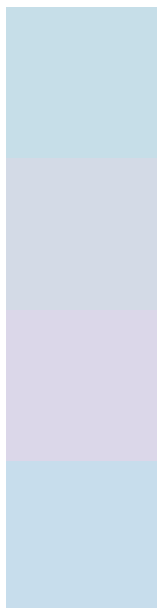
71.1005, 69.5180, 87.5128



Tritanopia

64.9896, 70.0870, 91.7642

Trichromacy



Original Color

63.9755, 70.0745, 86.4978

Protanomaly

66.2183, 69.7049, 84.8272

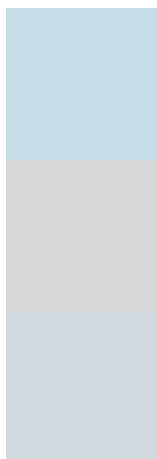
Deuteranomaly

68.2218, 69.5441, 86.9185

Tritanomaly

64.5500, 69.9111, 89.4489

Monochromacy



Original Color

63.9755, 70.0745, 86.4978

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5507, 68.9720, 79.0180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9755, 70.0745, 86.4978 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, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(198, 222, 232)  
}
```

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, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 222, 232) }
```

Border

The CSS property to change the border of an element to XYZ 63.9755, 70.0745, 86.4978 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, 222, 232) }
```


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

```
.border{ border-color:rgb(198, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(198, 222,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9755, 70.0745, 86.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 222, 232) }
```

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

```
.background{ background-color: rgb(198,  
222, 232) }
```

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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