

Converting Colors

XYZ(63.2011, 67.3165, 82.0781)

Have a look what the booklet for
XYZ(63.2011, 67.3165, 82.0781)
contains.

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Color

**XYZ(63.3228, 67.4952,
82.3634)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD8E3
RGB	204, 216, 227
RGB Percent	80%, 85%, 89%
CMY	0.2000, 0.1529, 0.1098
CMYK	0.10, 0.05, 0.00, 0.11
HSL	209°, 29%, 85%
HSV	209°, 10%, 89%
XYZ	63.3228, 67.4952, 82.3634
YIQ	213.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

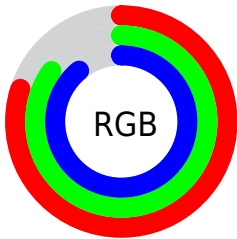
Format	Color
RYB	204, 212, 227
Decimal	13424867
CIELab	85.75, -1.90, -6.79
CIElCh	86, 7.054, 254.389
Yxy	67.4952, 0.2970, 0.3166
Android (android.graphics.Color)	4291614947 (0xFFCCD8E3)
YUV	213.6660, 6.5737, -8.4771
Hunter-Lab	82.1555, -6.1900, -1.9312

Details

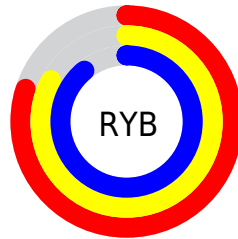
The XYZ color **63.3228, 67.4952, 82.3634** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8782, 69.2907, 66.9774**, and the grayscale version is **63.6561, 66.9712, 72.9316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7689, 34.9523, 44.0491** is the 20% darker color. If you saturate the color by 10%, you get **54.8598, 59.1417, 81.1981**, and if you desaturate by 10%, it is **72.8802, 76.6892, 83.6353**.

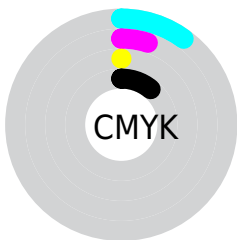
Distribution



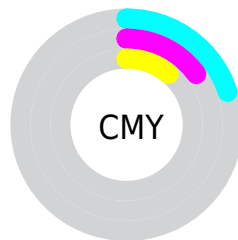
- Red (80%)
- Green (85%)
- Blue (89%)



- Red (80%)
- Yellow (83%)
- Blue (89%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3228, 67.4952, 82.3634 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 63.3228, 67.4952, 82.3634 by changing the saturation by 10% instead.

■ 63.3228, 67.4952,
82.3634

■ 63.3228, 67.4952,
82.3634

426.3811,
451.7054, 522.7778

■ 46.3620, 49.4872,
61.1276

108.7143,
115.6297, 138.5247

■ 32.7374, 35.0061,
43.8969

137.8757,
146.5249, 174.2873

■ 22.0836, 23.6676,
30.2529

171.8347,
182.4847, 215.7293

■ 14.0353, 15.0872,
19.7769

210.9567,
223.8934, 263.2691

■ 8.2271, 8.8806,
12.0505

255.6069,
271.1355, 317.3253

■ 4.2936, 4.6634,
6.6551

306.1509,

■ 1.8696, 2.0511,

324.5952, 378.3164

3.1722

362.9538,
384.6571, 446.6611

■ 0.5591, 0.6369,
1.1832

■ 0.0000, 0.0000,
0.0000

■ 63.3228, 67.4952,
82.3634

■ 63.3228, 67.4952,
82.3634

■ 54.8598, 59.1417,
81.1981

■ 72.8802, 76.6892,
83.6353

■ 47.4428, 51.5930,
80.1320

■ 83.5662, 86.7409,
85.0123

■ 41.0282, 44.8232,
79.1634

■ 88.8465, 94.2886,
86.1908

■ 35.5668, 38.8012,
78.2889

■ 90.8653, 98.3261,
86.8638

■ 31.0051, 33.4939,
77.5049

■ 27.2836, 28.8645,
76.8074

■ 24.3348, 24.8721,
76.1923

■ 22.0791, 21.4692,
75.6543

■ 20.3992, 18.6139,
75.1917

Harmonies

Analogous

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



61.9656, 67.4952, 79.8680



63.3228, 67.4952, 82.3634



64.9244, 67.4952, 82.4162

Triad

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



63.3228, 67.4952, 82.3634



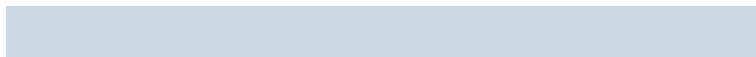
67.1973, 67.4952, 71.3098



62.0112, 67.4952, 67.3363

Complementary

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



63.3228, 67.4952, 82.3634



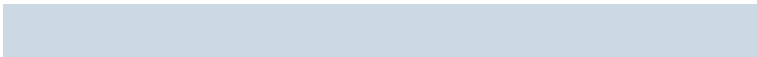
66.8782, 69.2907, 66.9774

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.



63.3860, 67.4952, 65.2342



63.3228, 67.4952, 82.3634



66.3896, 67.4952, 67.4625

Square

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



63.3228, 67.4952, 82.3634



67.1797, 67.4952, 75.9022



64.9887, 67.4952, 65.2794



61.2170, 67.4952, 71.1310

Rectangle

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



63.3228, 67.4952, 82.3634



65.9163, 67.4952, 81.0516



64.9887, 67.4952, 65.2794



62.4197, 67.4952, 66.4155

Sweetspot

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



63.3248, 67.4980, 82.3649



91.1356, 96.2664, 108.3856



64.6035, 72.6692, 74.7331



19.2877, 20.3951, 23.1700



0.0000, 0.0000, 0.0000



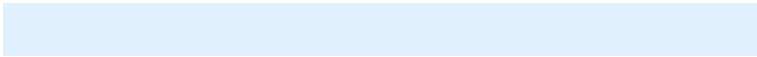
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3248, 67.4980, 82.3649



80.1837, 85.6694, 106.9175



60.5436, 61.9356, 81.4378



14.2021, 15.1255, 18.3153



12.0144, 11.0908, 43.8907



0.9807, 1.0054, 3.2743

Inverse Universe

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



65.6676, 64.4758, 73.9532



83.7865, 81.0999, 93.9642



69.8385, 75.2113, 67.9641



14.6896, 14.4930, 16.5657



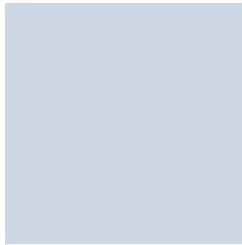
20.4578, 10.3173, 11.3057



1.5587, 0.7812, 1.0824

Previews

White Background



This preview shows how the XYZ color 63.3228, 67.4952, 82.3634 looks on a white background.

Color Contrast Check

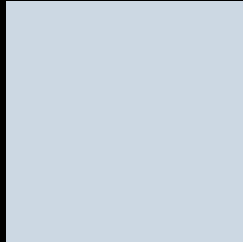
Large Text (above 18pt) WCAG AA × Fail

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 63.3228, 67.4952, 82.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

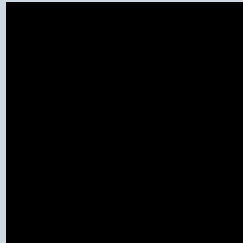
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

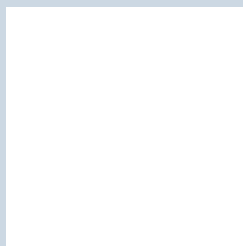
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3228, 67.4952, 82.3634

Background



This preview shows how black text looks on a background with the XYZ color 63.3228, 67.4952, 82.3634.

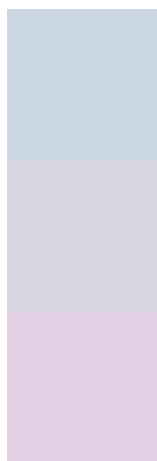


This preview shows how white text looks on a background with the XYZ color 63.3228, 67.4952,

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

63.3228, 67.4952, 82.3634

Protanopia

65.4092, 67.4718, 80.8101

Deuteranopia

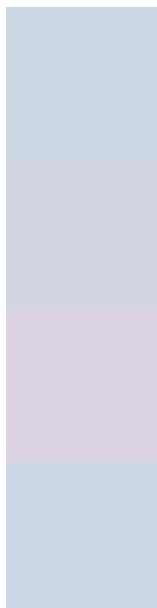
68.6936, 67.2629, 83.4912



Tritanopia

64.0428, 67.4062, 85.9792

Trichromacy



Original Color

63.3228, 67.4952, 82.3634

Protanomaly

64.6380, 67.4330, 81.5606

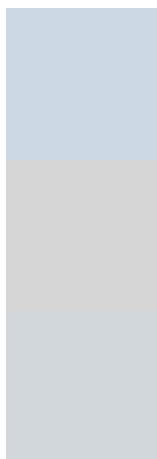
Deuteranomaly

66.5113, 67.2500, 82.8738

Tritanomaly

63.7602, 67.2932, 84.4913

Monochromacy



Original Color

63.3228, 67.4952, 82.3634

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6650, 67.4170, 76.6751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3228, 67.4952, 82.3634 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(204, 216, 227) looks like.

```
.text, #text, p{  
    color:rgb(204, 216, 227)  
}
```

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(204, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 216, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.3228, 67.4952, 82.3634 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(204, 216, 227) }
```


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

```
.border{ border-color:rgb(204, 216, 227) }
```

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

Here you see how a box with a 4 pixel rgb(204, 216, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 216,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3228, 67.4952, 82.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 216, 227) }
```

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

```
.background{ background-color: rgb(204,  
216, 227) }
```

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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