

Converting Colors

XYZ(63.9474, 69.7318, 83.4880)

Have a look what the booklet for
XYZ(63.9474, 69.7318, 83.4880)
contains.

XYZ(63.9474, 69.7318, 83.4880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9474, 69.7318,
83.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DDE4
RGB	201, 221, 228
RGB Percent	79%, 87%, 89%
CMY	0.2118, 0.1333, 0.1059
CMYK	0.12, 0.03, 0.00, 0.11
HSL	196°, 33%, 84%
HSV	196°, 12%, 89%
XYZ	63.9474, 69.7318, 83.4880
YIQ	215.8180, -14.1670, -2.0630

Conversions

Conversions Part 2

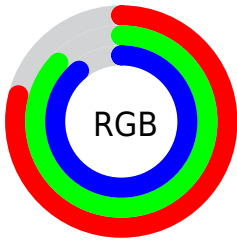
Format	Color
R _Y B	201, 212, 228
Decimal	13229540
CIE Lab	86.87, -5.26, -5.70
CIE LCh	87, 7.757, 227.316
Yxy	69.7318, 0.2945, 0.3211
Android (android.graphics.Color)	4291419620 (0xFFC9DDE4)
YUV	215.8180, 6.0057, -12.9954
Hunter-Lab	83.5056, -9.4419, -0.8236

Details

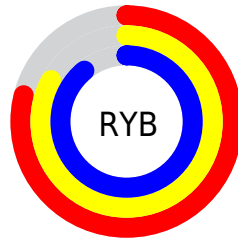
The XYZ color **63.9474, 69.7318, 83.4880** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0938, 65.8225, 64.5337**, and the grayscale version is **65.1153, 68.5064, 74.6035**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2117, 36.4926, 44.8285** is the 20% darker color. If you saturate the color by 10%, you get **56.7352, 63.7403, 82.7127**, and if you desaturate by 10%, it is **72.1283, 76.3079, 84.3272**.

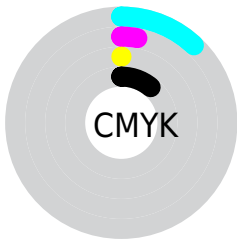
Distribution



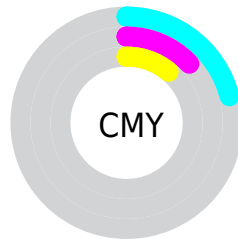
- Red (79%)
- Green (87%)
- Blue (89%)



- Red (79%)
- Yellow (83%)
- Blue (89%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9474, 69.7318, 83.4880 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 63.9474, 69.7318, 83.4880 by changing the saturation by 10% instead.

■ 63.9474, 69.7318,
83.4880

■ 63.9474, 69.7318,
83.4880

428.6049,
459.6077, 526.6250

■ 46.8696, 51.3079,
62.0499

109.6093,
118.8262, 140.1141

■ 33.1401, 36.4537,
44.6369

138.9242,
150.2655, 176.1391

■ 22.3935, 24.7848,
30.8307

173.0488,
186.8121, 217.8635

■ 14.2646, 15.9168,
20.2126

212.3484,
228.8503, 265.7058

■ 8.3878, 9.4653,
12.3641

257.1885,
276.7646, 320.0846

■ 4.3980, 5.0459,
6.8666

307.9344,

■ 1.9297, 2.2742,

330.9393, 381.4183

3.3016

364.9514,
391.7589, 450.1256

■ 0.5940, 0.7600,
1.2506

■ 0.0000, 0.0000,
0.0208

■ 63.9474, 69.7318,
83.4880

■ 63.9474, 69.7318,
83.4880

■ 56.7352, 63.7403,
82.7127

■ 72.1283, 76.3079,
84.3272

■ 50.4451, 58.3030,
81.9948

■ 81.3099, 83.4804,
85.2277

■ 45.0358, 53.3996,
81.3334

■ 86.0314, 88.4367,
85.9356

■ 40.4601, 49.0049,
80.7263

■ 87.7870, 91.9480,
86.5208

■ 36.6662, 45.0913,
80.1709

■ 89.5997, 95.5734,
87.1250

■ 33.5963, 41.6283,
79.6643

■ 91.0038, 98.3815,
87.5930

■ 31.1840, 38.5806,
79.2031

■ 29.3499, 35.9064,
78.7836

■ 28.1762, 33.9464,
78.4672

Harmonies

Analogous

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



63.0120, 69.7318, 78.9303



63.9474, 69.7318, 83.4880



65.5171, 69.7318, 86.0667

Triad

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



63.9474, 69.7318, 83.4880



69.7302, 69.7318, 78.1347



65.2479, 69.7318, 66.8063

Complementary

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



63.9474, 69.7318, 83.4880



65.0938, 65.8225, 64.5337

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.



67.0447, 69.7318, 66.6150



63.9474, 69.7318, 83.4880



69.6549, 69.7318, 72.9990

Square

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



63.9474, 69.7318, 83.4880



68.8683, 69.7318, 82.8828



68.6645, 69.7318, 68.8351



63.7534, 69.7318, 69.3700

Rectangle

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



63.9474, 69.7318, 83.4880



66.7220, 69.7318, 86.2429



68.6645, 69.7318, 68.8351



65.8359, 69.7318, 66.4667

Sweetspot

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



63.9494, 69.7347, 83.4896



90.5590, 96.4416, 108.4499



63.1864, 72.4473, 70.1680



19.2076, 20.5022, 23.1949



0.0000, 0.0000, 0.0000



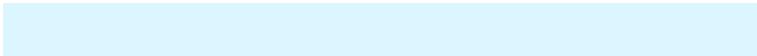
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9494, 69.7347, 83.4896



80.2331, 88.0853, 107.3812



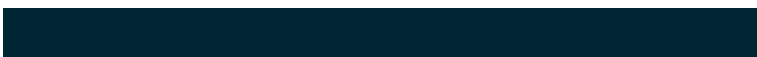
60.5871, 63.0101, 82.3688



14.4748, 15.6710, 18.4062



16.3704, 19.8030, 45.3427



1.2838, 1.6114, 3.3753

Inverse Universe

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



65.9343, 63.4891, 77.1895



83.2458, 78.7181, 97.7932



68.4612, 72.5573, 65.6562



14.8272, 14.5481, 17.2906



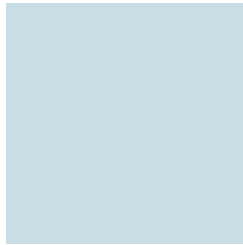
22.6565, 11.1968, 22.8841



1.7116, 0.8424, 1.8879

Previews

White Background



This preview shows how the XYZ color 63.9474, 69.7318, 83.4880 looks on a white background.

Color Contrast Check

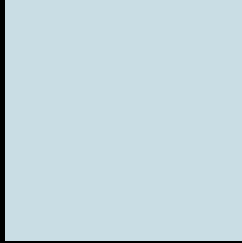
Large Text (above 18pt) WCAG AA × Fail

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 63.9474, 69.7318, 83.4880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

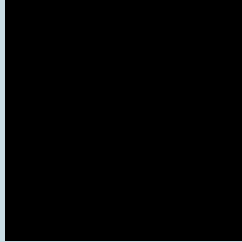
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

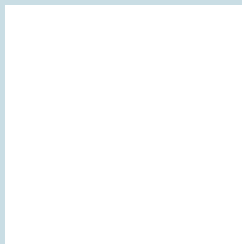
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9474, 69.7318, 83.4880

Background



This preview shows how black text looks on a background with the XYZ color 63.9474, 69.7318, 83.4880.

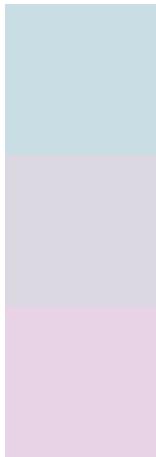


This preview shows how white text looks on a background with the XYZ color 63.9474, 69.7318,

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

63.9474, 69.7318, 83.4880

Protanopia

67.3599, 69.6080, 81.1196

Deuteranopia

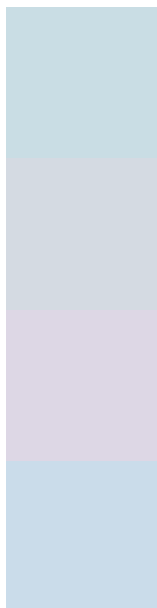
70.8559, 69.4575, 84.5350



Tritanopia

65.5079, 69.9973, 90.1790

Trichromacy



Original Color

63.9474, 69.7318, 83.4880

Protanomaly

65.9502, 69.6308, 81.9157

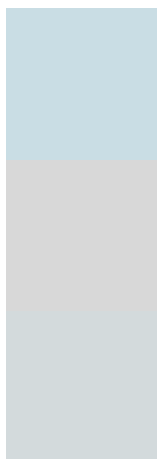
Deuteranomaly

68.2621, 69.6302, 83.9709

Tritanomaly

64.8016, 69.6835, 87.8767

Monochromacy



Original Color

63.9474, 69.7318, 83.4880

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.8536, 69.1590, 77.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9474, 69.7318, 83.4880 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(201, 221, 228) looks like.

```
.text, #text, p{  
    color:rgb(201, 221, 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(201, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 221, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.9474, 69.7318, 83.4880 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(201, 221, 228) }
```


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

```
.border{ border-color:rgb(201, 221, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 221, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 221, 228);  
box-shadow:4px 4px 4px 4px rgb(201, 221,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9474, 69.7318, 83.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 221, 228) }
```

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

```
.background{ background-color: rgb(201,  
221, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor