

Converting Colors

XYZ(63.3683, 68.0519, 87.8945)

Have a look what the booklet for
XYZ(63.3683, 68.0519, 87.8945)
contains.

XYZ(63.4759, 68.2254, 87.6652)	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(63.4759, 68.2254,
87.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DAEA
RGB	199, 218, 234
RGB Percent	78%, 85%, 92%
CMY	0.2196, 0.1451, 0.0823
CMYK	0.15, 0.07, 0.00, 0.08
HSL	207°, 45%, 85%
HSV	207°, 15%, 92%
XYZ	63.4759, 68.2254, 87.6652
YIQ	214.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

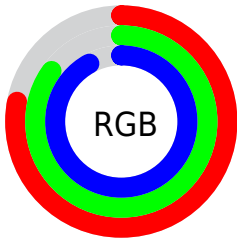
Format	Color
R _Y B	199, 211, 234
Decimal	13097706
CIE Lab	86.12, -3.12, -9.99
CIE LCh	86, 10.469, 252.646
Yxy	68.2254, 0.2894, 0.3110
Android (android.graphics.Color)	4291287786 (0xFFC7DAEA)
YUV	214.1430, 9.7895, -13.2804
Hunter-Lab	82.5987, -7.3730, -5.1077

Details

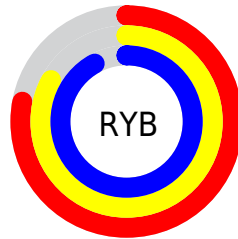
The XYZ color **63.4759, 68.2254, 87.6652** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.5415, 70.2168, 63.9750**, and the grayscale version is **63.9585, 67.2893, 73.2781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8101, 35.4285, 47.2286** is the 20% darker color. If you saturate the color by 10%, you get **55.0540, 59.9000, 86.5032**, and if you desaturate by 10%, it is **73.0355, 77.4066, 88.9346**.

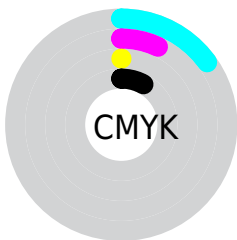
Distribution



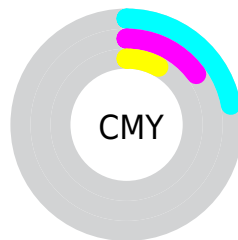
- Red (78%)
- Green (85%)
- Blue (92%)



- Red (78%)
- Yellow (83%)
- Blue (92%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)



- Cyan (22%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4759, 68.2254, 87.6652 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 63.4759, 68.2254, 87.6652 by changing the saturation by 10% instead.

■ 63.4759, 68.2254,
87.6652

■ 63.4759, 68.2254,
87.6652

426.9268,
454.2942, 540.7791

■ 46.4864, 50.0811,
65.4831

108.9338,
116.6745, 145.9980

■ 32.8361, 35.4779,
47.3991

138.1328,
147.7482, 182.9857

■ 22.1595, 24.0312,
32.9946

172.1325,
183.9004, 225.7458

■ 14.0914, 15.3568,
21.8513

211.2981,
225.5156, 274.6966

■ 8.2664, 9.0702,
13.5504

255.9950,
272.9782, 330.2568

■ 4.3191, 4.7870,
7.6735

306.5885,

■ 1.8842, 2.1228,

326.6726, 392.8450

3.8020

363.4440,
386.9831, 462.8795

■ 0.5676, 0.6774,
1.5173

■ 0.0000, 0.0000,
0.2308

■ 63.4759, 68.2254,
87.6652

■ 63.4759, 68.2254,
87.6652

■ 55.0540, 59.9000,
86.5032

■ 73.0355, 77.4066,
88.9346

■ 47.7169, 52.3928,
85.4409

■ 83.7708, 87.4626,
90.3098

■ 41.4164, 45.6756,
84.4764

■ 90.3053, 95.6283,
91.5415

■ 36.0979, 39.7150,
83.6062

■ 91.8515, 98.7206,
92.0569

■ 31.7014, 34.4746,
82.8264

■ 28.1595, 29.9141,
82.1328

■ 25.3945, 25.9874,
81.5206

■ 23.3116, 22.6398,
80.9843

■ 22.4470, 21.1315,
80.7387

Harmonies

Analogous

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



61.5021, 68.2254, 83.6296



63.4759, 68.2254, 87.6652



65.8645, 68.2254, 87.9802

Triad

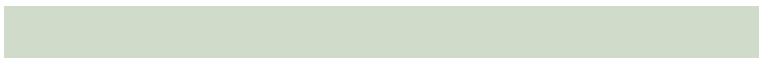
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.4759, 68.2254, 87.6652



69.4664, 68.2254, 71.4224



61.7618, 68.2254, 64.9591

Complementary

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



63.4759, 68.2254, 87.6652



68.5415, 70.2168, 63.9750

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.



63.8385, 68.2254, 62.0919



63.4759, 68.2254, 87.6652



68.3094, 68.2254, 65.6654

Square

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



63.4759, 68.2254, 87.6652



69.3635, 68.2254, 78.3088



66.2361, 68.2254, 62.3422



60.5294, 68.2254, 70.4031

Rectangle

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



63.4759, 68.2254, 87.6652



67.3743, 68.2254, 86.0115



66.2361, 68.2254, 62.3422



62.3821, 68.2254, 63.6775

Sweetspot

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



63.4779, 68.2282, 87.6667



89.9272, 95.1779, 108.2393



65.2110, 75.8825, 75.3328



19.0475, 20.1820, 23.1416



0.0000, 0.0000, 0.0000



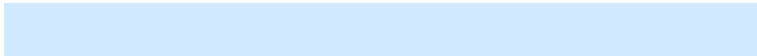
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4779, 68.2282, 87.6667



73.8015, 79.6473, 106.0915



59.2343, 59.7410, 86.2522



14.9088, 15.9041, 19.2063



12.7413, 12.1295, 45.4127



1.0965, 1.1445, 3.5980

Inverse Universe

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



67.0116, 63.4028, 75.0389



78.9193, 72.8517, 87.7597



73.1687, 79.4712, 65.5174



15.4075, 15.1909, 17.4314



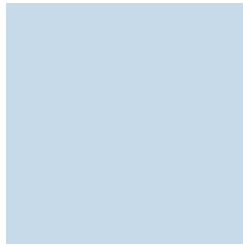
21.2865, 10.7173, 12.5759



1.7200, 0.8610, 1.2427

Previews

White Background



This preview shows how the XYZ color 63.4759, 68.2254, 87.6652 looks on a white background.

Color Contrast Check

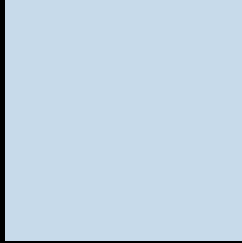
Large Text (above 18pt) WCAG AA × Fail

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 63.4759, 68.2254, 87.6652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

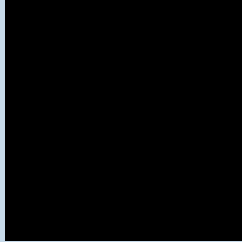
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

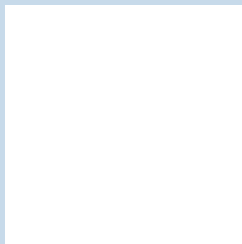
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4759, 68.2254, 87.6652

Background



This preview shows how black text looks on a background with the XYZ color 63.4759, 68.2254, 87.6652.

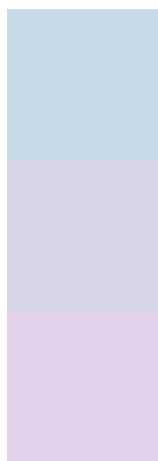


This preview shows how white text looks on a background with the XYZ color 63.4759, 68.2254,

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

63.4759, 68.2254, 87.6652

Protanopia

66.2019, 68.1588, 85.2681

Deuteranopia

69.6193, 67.9880, 88.8105



Tritanopia

63.6200, 68.2831, 88.4241

Trichromacy



Original Color

63.4759, 68.2254, 87.6652

Protanomaly

65.1604, 67.9824, 86.0315

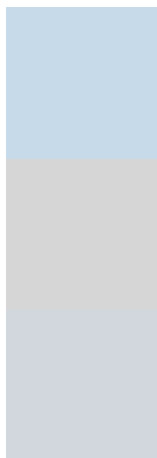
Deuteranomaly

67.1542, 67.8368, 88.1517

Tritanomaly

63.6200, 68.2831, 88.4241

Monochromacy



Original Color

63.4759, 68.2254, 87.6652

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6461, 67.3766, 78.0571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4759, 68.2254, 87.6652 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(199, 218, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 218, 234)  
}
```

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(199, 218, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 218, 234) }
```

Border

The CSS property to change the border of an element to XYZ 63.4759, 68.2254, 87.6652 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(199, 218, 234) }
```


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

```
.border{ border-color:rgb(199, 218, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 218, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 218, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 218, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 218,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4759, 68.2254, 87.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 218, 234) }
```

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

```
.background{ background-color: rgb(199,  
218, 234) }
```

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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