

Converting Colors

XYZ(68.1448, 71.8613, 78.8824)

Have a look what the booklet for
XYZ(68.1448, 71.8613, 78.8824)
contains.

XYZ(68.1210, 71.9934, 78.7124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(68.1210, 71.9934,
78.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDDDD
RGB	219, 221, 221
RGB Percent	86%, 87%, 87%
CMY	0.1412, 0.1333, 0.1333
CMYK	0.01, 0.00, 0.00, 0.13
HSL	180°, 3%, 86%
HSV	180°, 1%, 87%
XYZ	68.1210, 71.9934, 78.7124
YIQ	220.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

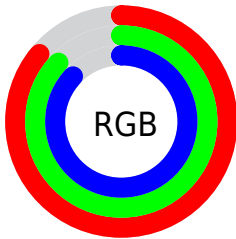
Format	Color
R _Y B	219, 220, 221
Decimal	14409181
CIE Lab	87.97, -0.67, -0.25
CIE LCh	88, 0.714, 200.192
Yxy	71.9934, 0.3113, 0.3290
Android (android.graphics.Color)	4292599261 (0xFFDBDDDD)
YUV	220.4020, 0.2948, -1.2296
Hunter-Lab	84.8489, -5.1768, 4.3923

Details

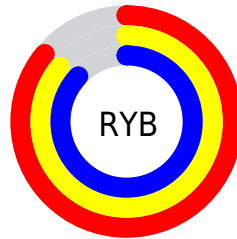
The XYZ color **68.1210, 71.9934, 78.7124** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9391, 71.1515, 77.1742**, and the grayscale version is **68.3086, 71.8660, 78.2621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8290, 37.9181, 41.5069** is the 20% darker color. If you saturate the color by 10%, you get **61.9039, 68.7910, 78.3953**, and if you desaturate by 10%, it is **75.2249, 75.6570, 79.0739**.

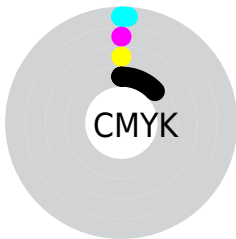
Distribution



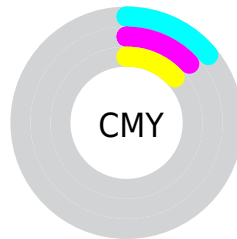
- Red (86%)
- Green (87%)
- Blue (87%)



- Red (86%)
- Yellow (86%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1210, 71.9934, 78.7124 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 68.1210, 71.9934, 78.7124 by changing the saturation by 10% instead.

■ 68.1210, 71.9934,
78.7124

■ 68.1210, 71.9934,
78.7124

443.2946,
467.5186, 510.1747

■ 50.2702, 53.1533,
58.1395

115.5662,
122.0471, 133.3489

■ 35.8468, 37.9252,
41.5053

145.8913,
154.0296, 168.2495

■ 24.4855, 25.9246,
28.3915

181.1052,
191.1615, 208.7631

■ 15.8208, 16.7672,
18.3794

221.5733,
233.8275, 255.3083

■ 9.4875, 10.0687,
11.0504

267.6610,
282.4118, 308.3034

■ 5.1201, 5.4445,
5.9862

319.7335,

■ 2.3534, 2.5104,

337.2988, 368.1672

2.7680

378.1563,
398.8729, 435.3181

■ 0.8218, 0.8818,
0.9774

■ 0.0000, 0.0000,
0.0000

■ 68.1210, 71.9934,
78.7124

■ 68.1210, 71.9934,
78.7124

■ 61.9039, 68.7910,
78.3953

■ 75.2249, 75.6570,
79.0739

■ 56.5330, 66.0228,
78.1164

■ 80.1598, 78.2004,
79.3325

■ 51.9736, 63.6730,
77.8755

■ 80.1650, 78.2025,
79.3603

■ 48.1862, 61.7211,
77.6707

■ 80.1703, 78.2046,
79.3882

45.1280, 60.1451,
77.5000

80.1756, 78.2068,
79.4160

42.7520, 58.9209,
77.3613

80.1809, 78.2089,
79.4439

41.0060, 58.0214,
77.2520

80.1862, 78.2110,
79.4718

39.8299, 57.4157,
77.1694

80.1915, 78.2131,
79.4996

39.1521, 57.0669,
77.1102

80.1968, 78.2152,
79.5275

Harmonies

Analogous

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



68.1057, 71.9934, 78.2291



68.1210, 71.9934, 78.7124



68.2183, 71.9934, 79.1105

Triad

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



68.1210, 71.9934, 78.7124



68.6792, 71.9934, 78.9899



68.4833, 71.9934, 77.4690

Complementary

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



68.1210, 71.9934, 78.7124



67.9391, 71.1515, 77.1742

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.



68.6372, 71.9934, 77.6711



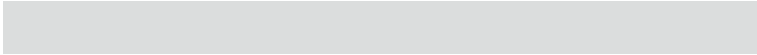
68.1210, 71.9934, 78.7124



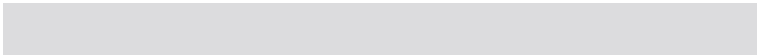
68.7504, 71.9934, 78.5483

Square

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



68.1210, 71.9934, 78.7124



68.5405, 71.9934, 79.2712



68.7351, 71.9934, 78.0656



68.3147, 71.9934, 77.5126

Rectangle

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



68.1210, 71.9934, 78.7124



68.3168, 71.9934, 79.2733



68.7351, 71.9934, 78.0656



68.5385, 71.9934, 77.5104

Sweetspot

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



68.1230, 71.9965, 78.7140

95.0500, 100.0000, 108.9000



67.8681, 71.8957, 77.3191



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



68.1230, 71.9965, 78.7140



94.1173, 99.5193, 108.8525



67.8685, 71.4867, 78.6315



14.5855, 15.4176, 16.8587



22.5718, 33.0614, 44.7721



1.4626, 2.1420, 2.9023

Inverse Universe

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



67.9391, 71.1515, 77.1742



93.8347, 98.2209, 106.4865



68.1921, 71.6581, 77.2561



14.5445, 15.2294, 16.5158



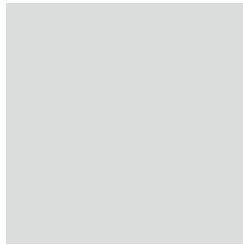
17.3239, 8.9306, 0.8196



1.1227, 0.5787, 0.0549

Previews

White Background



This preview shows how the XYZ color 68.1210, 71.9934, 78.7124 looks on a white background.

Color Contrast Check

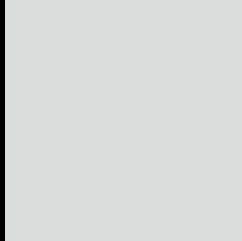
Large Text (above 18pt) WCAG AA × Fail

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 68.1210, 71.9934, 78.7124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

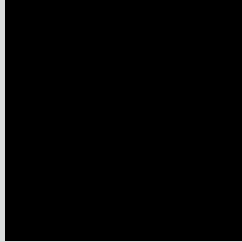
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

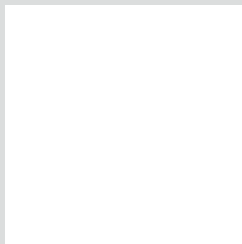
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1210, 71.9934, 78.7124

Background



This preview shows how black text looks on a background with the XYZ color 68.1210, 71.9934, 78.7124.

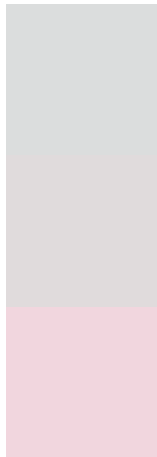


This preview shows how white text looks on a background with the XYZ color 68.1210, 71.9934,

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

68.1210, 71.9934, 78.7124

Protanopia

68.9903, 71.6776, 77.9091

Deuteranopia

73.5070, 72.0678, 79.1435



Tritanopia

70.2906, 72.0913, 89.5672

Trichromacy



Original Color

68.1210, 71.9934, 78.7124

Protanomaly

68.6357, 71.8833, 77.9675

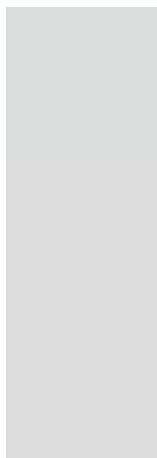
Deuteranomaly

71.6019, 72.2233, 79.2739

Tritanomaly

69.5322, 72.1716, 85.8671

Monochromacy



Original Color

68.1210, 71.9934, 78.7124

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0267, 71.5694, 77.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1210, 71.9934, 78.7124 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(219, 221, 221) looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 221)  
}
```

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(219, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.1210, 71.9934, 78.7124 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(219, 221, 221) }
```

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

```
.border{ border-color:rgb(219, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
221) }
```


Background

The CSS property to change the background color of an element to XYZ 68.1210, 71.9934, 78.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 221) }
```

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

```
.background{ background-color: rgb(219,  
221, 221) }
```

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