

Converting Colors

XYZ(68.5917, 75.0166, 88.6397)

Have a look what the booklet for
XYZ(68.5917, 75.0166, 88.6397)
contains.

XYZ(68.6071, 74.8372, 88.6709)	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(68.6071, 74.8372,
88.6709)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E4EA
RGB	208, 228, 234
RGB Percent	82%, 89%, 92%
CMY	0.1843, 0.1059, 0.0823
CMYK	0.11, 0.03, 0.00, 0.08
HSL	194°, 38%, 87%
HSV	194°, 11%, 92%
XYZ	68.6071, 74.8372, 88.6709
YIQ	222.7040, -13.8460, -2.3740

Conversions

Conversions Part 2

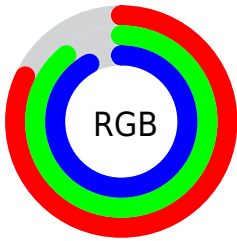
Format	Color
R _Y B	208, 219, 234
Decimal	13690090
CIE Lab	89.32, -5.43, -5.19
CIE LCh	89, 7.512, 223.679
Yxy	74.8372, 0.2956, 0.3224
Android (android.graphics.Color)	4291880170 (0xFFD0E4EA)
YUV	222.7040, 5.5689, -12.8954
Hunter-Lab	86.5085, -9.8273, -0.2161

Details

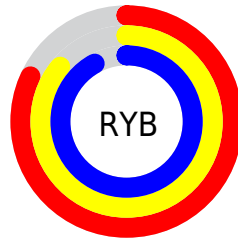
The XYZ color **68.6071, 74.8372, 88.6709** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3638, 70.1393, 69.5582**, and the grayscale version is **69.8998, 73.5400, 80.0851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1163, 39.8738, 47.9124** is the 20% darker color. If you saturate the color by 10%, you get **61.0462, 68.7715, 87.8998**, and if you desaturate by 10%, it is **77.1893, 81.5022, 89.5062**.

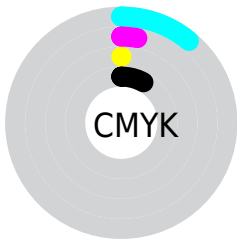
Distribution



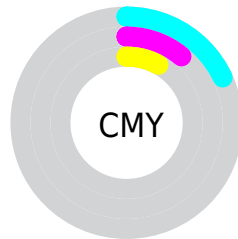
- Red (82%)
- Green (89%)
- Blue (92%)



- Red (82%)
- Yellow (86%)
- Blue (92%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6071, 74.8372, 88.6709 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 68.6071, 74.8372, 88.6709 by changing the saturation by 10% instead.

■ 68.6071, 74.8372,
88.6709

■ 68.6071, 74.8372,
88.6709

444.9871,
477.3578, 544.1559

■ 50.6673, 55.4795,
66.3113

116.2574,
126.0819, 147.4102

■ 36.1638, 39.7858,
48.0671

146.6985,
158.7377, 184.6270

■ 24.7315, 27.3716,
33.5197

182.0375,
196.5950, 227.6332

■ 16.0048, 17.8525,
22.2505

222.6396,
240.0382, 276.8476

■ 9.6184, 10.8441,
13.8410

268.8703,
289.4517, 332.6884

■ 5.2070, 5.9621,
7.8727

321.0949,

■ 2.4052, 2.8221,

345.2198, 395.5744

3.9270

379.6787,
407.7271, 465.9241

■ 0.8477, 1.0396,
1.5854

■ 0.0000, 0.0000,
0.2803

■ 68.6071, 74.8372,
88.6709

■ 68.6071, 74.8372,
88.6709

■ 61.0462, 68.7715,
87.8998

■ 77.1893, 81.5022,
89.5062

■ 54.4574, 63.2732,
87.1858

■ 86.8265, 88.7785,
90.4027

■ 48.7969, 58.3209,
86.5282

■ 88.5012, 92.0200,
90.9402

■ 44.0151, 53.8886,
85.9247

■ 90.1508, 95.3192,
91.4900

■ 40.0573, 49.9473,
85.3726

■ 91.8483, 98.7143,
92.0559

■ 36.8626, 46.4651,
84.8688

■ 91.8515, 98.7206,
92.0569

■ 34.3613, 43.4053,
84.4101

■ 32.4697, 40.7242,
83.9922

■ 31.1791, 38.5957,
83.6494

Harmonies

Analogous

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



67.7543, 74.8372, 83.9002



68.6071, 74.8372, 88.6709



70.1428, 74.8372, 91.5812

Triad

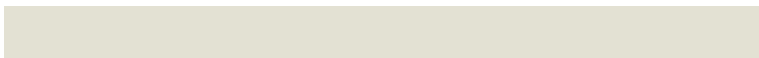
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6071, 74.8372, 88.6709



74.5736, 74.8372, 84.3601



70.2987, 74.8372, 72.0483

Complementary

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



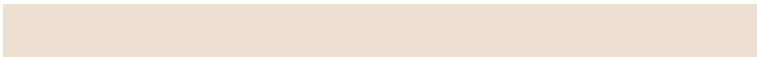
68.6071, 74.8372, 88.6709



69.3638, 70.1393, 69.5582

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.



72.1275, 74.8372, 72.1595



68.6071, 74.8372, 88.6709



74.6171, 74.8372, 79.1166

Square

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



68.6071, 74.8372, 88.6709



73.5973, 74.8372, 89.0201



73.7151, 74.8372, 74.6982



68.7195, 74.8372, 74.3876

Rectangle

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



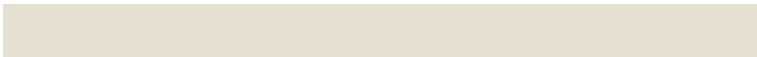
68.6071, 74.8372, 88.6709



71.3574, 74.8372, 91.9998



73.7151, 74.8372, 74.6982



70.9041, 74.8372, 71.8035

Sweetspot

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



68.6093, 74.8403, 88.6726



91.7310, 97.4573, 108.5841



67.5273, 77.0931, 74.6958



19.4486, 20.7169, 23.2237



0.0000, 0.0000, 0.0000



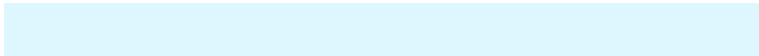
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6093, 74.8403, 88.6726



81.4975, 89.4643, 107.5807



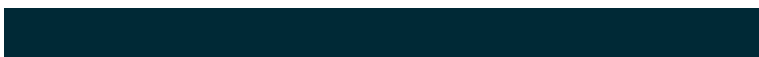
65.2589, 68.1396, 87.5558



15.2060, 16.4985, 19.3053



17.6207, 21.8883, 47.0391



1.4552, 1.8618, 3.7175

Inverse Universe

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



70.4928, 68.2071, 82.8523



84.1647, 80.1602, 99.3191



72.6869, 76.7856, 70.6659



15.5576, 15.2509, 18.2214



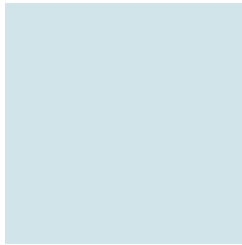
23.7494, 11.7024, 25.5454



1.9010, 0.9334, 2.1961

Previews

White Background



This preview shows how the XYZ color 68.6071, 74.8372, 88.6709 looks on a white background.

Color Contrast Check

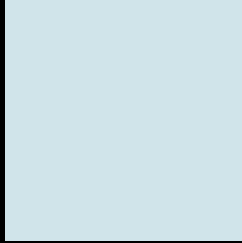
Large Text (above 18pt) WCAG AA × Fail

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 68.6071, 74.8372, 88.6709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

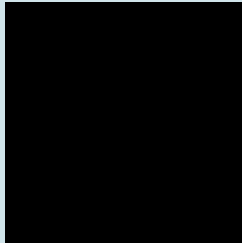
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

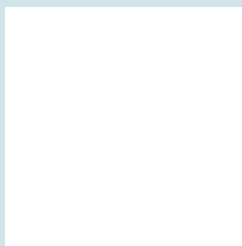
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6071, 74.8372, 88.6709

Background



This preview shows how black text looks on a background with the XYZ color 68.6071, 74.8372, 88.6709.

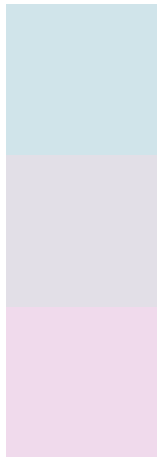


This preview shows how white text looks on a background with the XYZ color 68.6071, 74.8372,

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

68.6071, 74.8372, 88.6709

Protanopia

72.1755, 74.7136, 86.2184

Deuteranopia

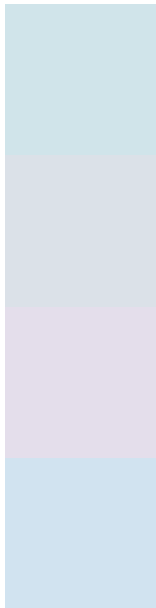
76.1469, 74.7242, 89.7667



Tritanopia

70.1038, 74.6260, 96.2973

Trichromacy



Original Color

68.6071, 74.8372, 88.6709

Protanomaly

70.7041, 74.7367, 87.0430

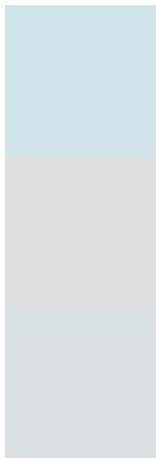
Deuteranomaly

73.1116, 74.7347, 89.1691

Tritanomaly

69.4918, 74.7848, 93.2104

Monochromacy



Original Color

68.6071, 74.8372, 88.6709

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.7038, 74.3019, 83.3410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6071, 74.8372, 88.6709 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(208, 228, 234) looks like.

```
.text, #text, p{  
    color:rgb(208, 228, 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(208, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 228, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.6071, 74.8372, 88.6709 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(208, 228, 234) }
```


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

```
.border{ border-color:rgb(208, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(208, 228,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6071, 74.8372, 88.6709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 228, 234) }
```

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

```
.background{ background-color: rgb(208,  
228, 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](#).

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