

Converting Colors

XYZ(68.4255, 72.6131, 82.8158)

Have a look what the booklet for
XYZ(68.4255, 72.6131, 82.8158)
contains.

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Color

**XYZ(68.3053, 72.3875,
83.0452)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DEE3
RGB	216, 222, 227
RGB Percent	85%, 87%, 89%
CMY	0.1529, 0.1294, 0.1098
CMYK	0.05, 0.02, 0.00, 0.11
HSL	207°, 16%, 87%
HSV	207°, 5%, 89%
XYZ	68.3053, 72.3875, 83.0452
YIQ	220.7760, -5.1810, 0.2830

Conversions

Conversions Part 2

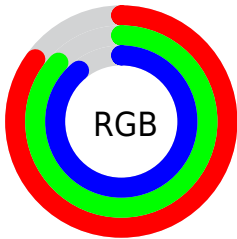
Format	Color
R _Y B	216, 220, 227
Decimal	14212835
CIE Lab	88.15, -1.08, -3.15
CIE LCh	88, 3.336, 251.049
Yxy	72.3875, 0.3053, 0.3235
Android (android.graphics.Color)	4292402915 (0xFFD8DEE3)
YUV	220.7760, 3.0684, -4.1886
Hunter-Lab	85.0808, -5.5866, 1.6852

Details

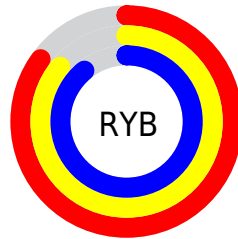
The XYZ color **68.3053, 72.3875, 83.0452** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9299, 73.0011, 75.3718**, and the grayscale version is **68.5536, 72.1238, 78.5428**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9631, 38.1931, 44.5063** is the 20% darker color. If you saturate the color by 10%, you get **59.4017, 63.8573, 81.8691**, and if you desaturate by 10%, it is **78.3071, 81.7364, 84.3237**.

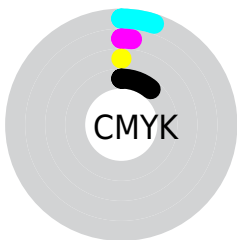
Distribution



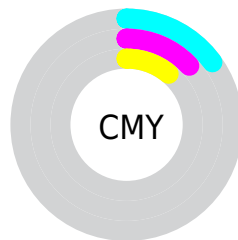
- Red (85%)
- Green (87%)
- Blue (89%)



- Red (85%)
- Yellow (86%)
- Blue (89%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3053, 72.3875, 83.0452 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 68.3053, 72.3875, 83.0452 by changing the saturation by 10% instead.

■ 68.3053, 72.3875,
83.0452

■ 68.3053, 72.3875,
83.0452

443.9367,
468.8892, 525.1121

■ 50.4207, 53.4753,
61.6866

115.8283,
122.6073, 139.4886

■ 35.9670, 38.1823,
44.3454

146.1974,
154.6837, 175.4104

■ 24.5787, 26.1242,
30.6029

181.4588,
191.9169, 217.0238

■ 15.8905, 16.9166,
20.0408

221.9778,
234.6913, 264.7472

■ 9.5371, 10.1750,
12.2403

268.1197,
283.3913, 318.9992

■ 5.1530, 5.5152,
6.7830

320.2500,

■ 2.3730, 2.5526,

338.4014, 380.1983

3.2504

378.7338,
400.1059, 448.7631

■ 0.8316, 0.9029,
1.2239

■ 0.0000, 0.0000,
0.0000

■ 68.3053, 72.3875,
83.0452

■ 68.3053, 72.3875,
83.0452

■ 59.4017, 63.8573,
81.8691

■ 78.3071, 81.7364,
84.3237

■ 51.5492, 56.1113,
80.7878

■ 87.0445, 90.6845,
85.5903

■ 44.7066, 49.1257,
79.8001

■ 90.2112, 97.0179,
86.6459

■ 38.8274, 42.8716,
78.9028

■ 90.8653, 98.3261,
86.8639

■ 33.8609, 37.3184,
78.0927

■ 29.7516, 32.4325,
77.3662

■ 26.4372, 28.1764,
76.7194

■ 23.8458, 24.5080,
76.1479

■ 21.8900, 21.3766,
75.6466

Harmonies

Analogous

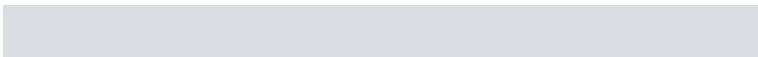
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6520, 72.3875, 81.7374



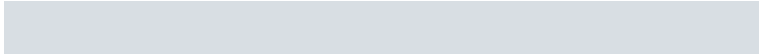
68.3053, 72.3875, 83.0452



69.0965, 72.3875, 83.2075

Triad

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



68.3053, 72.3875, 83.0452



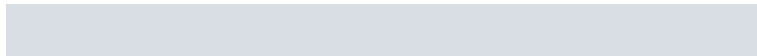
70.3183, 72.3875, 77.9789



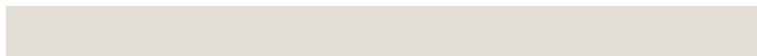
67.7999, 72.3875, 75.5515

Complementary

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



68.3053, 72.3875, 83.0452



69.9299, 73.0011, 75.3718

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.



68.5086, 72.3875, 74.5850



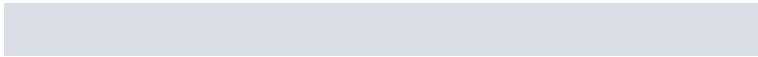
68.3053, 72.3875, 83.0452



69.9652, 72.3875, 75.9683

Square

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



68.3053, 72.3875, 83.0452



70.2629, 72.3875, 80.2527



69.3014, 72.3875, 74.7361



67.3618, 72.3875, 77.3999

Rectangle

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



68.3053, 72.3875, 83.0452



69.5962, 72.3875, 82.6408



69.3014, 72.3875, 74.7361



68.0142, 72.3875, 75.1144

Sweetspot

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



68.3074, 72.3906, 83.0468



93.7497, 98.7828, 108.7336



68.8336, 74.7561, 79.1743



20.0800, 21.1564, 23.2752



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.



68.3074, 72.3906, 83.0468



87.4663, 92.8585, 107.9213



66.8822, 69.5402, 82.5717



14.8051, 15.7314, 18.4005



12.3997, 11.8616, 44.0191



1.0089, 1.0617, 3.2837

Inverse Universe

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



69.4209, 70.7180, 79.1019



89.2629, 90.1841, 101.5504



71.3933, 75.9278, 75.8596



15.1405, 15.2344, 17.2108



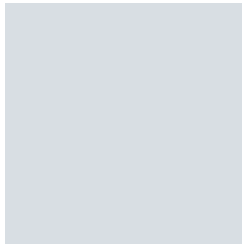
20.6523, 10.3951, 12.3300



1.5729, 0.7869, 1.1572

Previews

White Background



This preview shows how the XYZ color 68.3053, 72.3875, 83.0452 looks on a white background.

Color Contrast Check

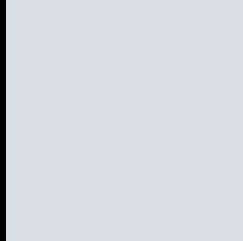
Large Text (above 18pt) WCAG AA × Fail

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 68.3053, 72.3875, 83.0452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

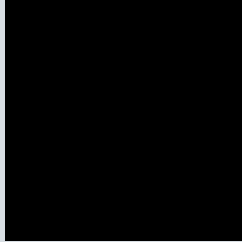
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

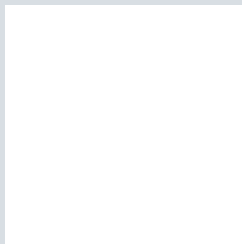
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3053, 72.3875, 83.0452

Background



This preview shows how black text looks on a background with the XYZ color 68.3053, 72.3875, 83.0452.

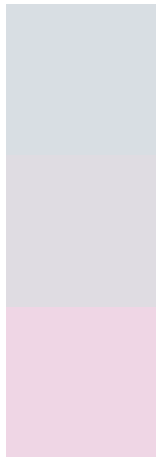


This preview shows how white text looks on a background with the XYZ color 68.3053, 72.3875,

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

68.3053, 72.3875, 83.0452

Protanopia

69.7521, 72.3654, 82.2431

Deuteranopia

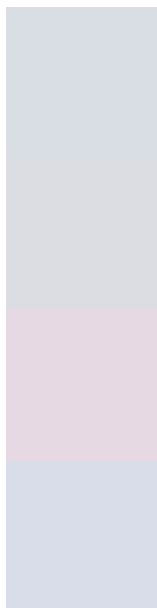
73.7860, 72.1010, 84.1567



Tritanopia

69.9393, 72.2649, 91.1512

Trichromacy



Original Color

68.3053, 72.3875, 83.0452

Protanomaly

69.0991, 72.4195, 82.2880

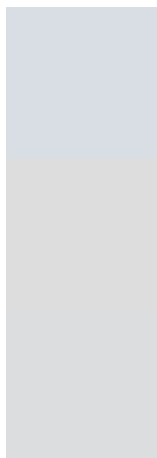
Deuteranomaly

71.7714, 72.2161, 83.5551

Tritanomaly

69.3230, 72.4051, 88.1638

Monochromacy



Original Color

68.3053, 72.3875, 83.0452

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3892, 72.1007, 80.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3053, 72.3875, 83.0452 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(216, 222, 227) looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 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(216, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.3053, 72.3875, 83.0452 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(216, 222, 227) }
```


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

```
.border{ border-color:rgb(216, 222, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3053, 72.3875, 83.0452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 227) }
```

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

```
.background{ background-color: rgb(216,  
222, 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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