

Converting Colors

XYZ(68.3304, 74.2537, 80.2716)

Have a look what the booklet for
XYZ(68.3304, 74.2537, 80.2716)
contains.

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Color

**XYZ(68.2472, 74.0166,
80.5017)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E2DF
RGB	214, 226, 223
RGB Percent	84%, 89%, 87%
CMY	0.1608, 0.1137, 0.1255
CMYK	0.05, 0.00, 0.01, 0.11
HSL	165°, 17%, 86%
HSV	165°, 5%, 89%
XYZ	68.2472, 74.0166, 80.5017
YIQ	222.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

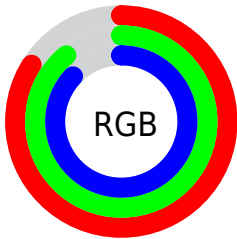
Format	Color
R_{YB}	214, 221, 226
Decimal	14082783
CIE Lab	88.93, -4.55, 0.07
CIE LCh	89, 4.554, 179.154
Yxy	74.0166, 0.3064, 0.3323
Android (android.graphics.Color)	4292272863 (0xFFD6E2DF)
YUV	222.0700, 0.4585, -7.0774
Hunter-Lab	86.0329, -8.9591, 4.7449

Details

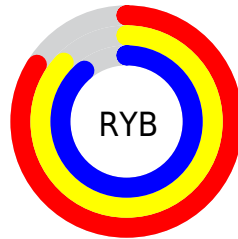
The XYZ color **68.2472, 74.0166, 80.5017** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9377, 69.2735, 75.4396**, and the grayscale version is **69.4824, 73.1009, 79.6068**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9289, 39.3239, 42.7424** is the 20% darker color. If you saturate the color by 10%, you get **61.3542, 70.5518, 76.2663**, and if you desaturate by 10%, it is **76.0851, 77.9697, 84.9173**.

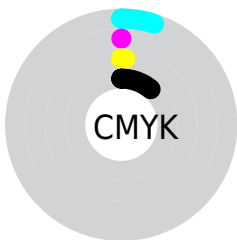
Distribution



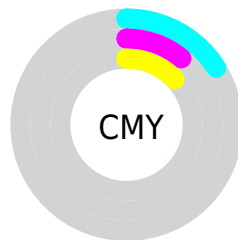
- Red (84%)
- Green (89%)
- Blue (87%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2472, 74.0166, 80.5017 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 68.2472, 74.0166, 80.5017 by changing the saturation by 10% instead.

■ 68.2472, 74.0166,
80.5017

■ 68.2472, 74.0166,
80.5017

443.7344,
474.5307, 516.3733

■ 50.3733, 54.8076,
59.6027

115.7457,
124.9193, 135.8886

■ 35.9291, 39.2477,
42.6753

146.1009,
157.3819, 171.2136

■ 24.5493, 26.9525,
29.3009

181.3474,
195.0311, 212.1844

■ 15.8685, 17.5375,
19.0610

221.8503,
238.2513, 259.2194

■ 9.5214, 10.6185,
11.5371

267.9751,
287.4270, 312.7373

■ 5.1426, 5.8109,
6.3106

320.0872,

■ 2.3668, 2.7304,

342.9425, 373.1565

2.9631

378.5518,
405.1823, 440.8957

■ 0.8285, 0.9927,
1.0758

■ 0.0000, 0.0000,
0.0000

■ 68.2472, 74.0166,
80.5017

■ 68.2472, 74.0166,
80.5017

■ 61.3542, 70.5518,
76.2663

■ 76.0851, 77.9697,
84.9173

■ 55.3620, 67.5464,
72.2033

■ 83.3339, 81.6140,
89.4380

■ 50.2324, 64.9829,
68.3110

■ 84.1611, 81.9449,
93.7937

■ 45.9221, 62.8388,
64.5861

■ 85.0144, 82.2862,
98.2872

■ 42.3838, 61.0899,
61.0251

■ 85.8942, 82.6381,
102.9199

■ 39.5654, 59.7093,
57.6241

■ 86.4878, 82.8756,
106.0459

■ 37.4080, 58.6667,
54.3791

■ 35.8432, 57.9269,
51.2853

■ 34.7870, 57.4466,
48.3376

Harmonies

Analogous

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



68.5419, 74.0166, 77.5113



68.2472, 74.0166, 80.5017



68.5111, 74.0166, 83.5927

Triad

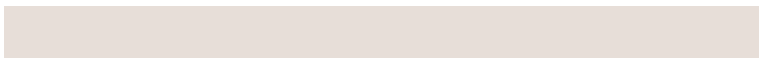
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2472, 74.0166, 80.5017



71.3908, 74.0166, 86.0238



71.4457, 74.0166, 75.4788

Complementary

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



68.2472, 74.0166, 80.5017



67.9377, 69.2735, 75.4396

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.



72.2226, 74.0166, 77.6630



68.2472, 74.0166, 80.5017



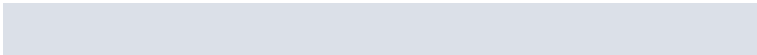
72.1907, 74.0166, 83.7522

Square

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



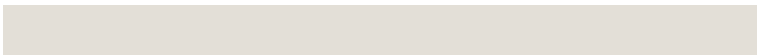
68.2472, 74.0166, 80.5017



70.3192, 74.0166, 86.8308



72.4967, 74.0166, 80.6814



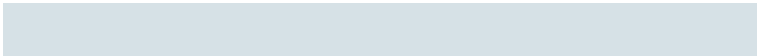
70.3819, 74.0166, 74.6584

Rectangle

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



68.2472, 74.0166, 80.5017



68.9699, 74.0166, 85.2833



72.4967, 74.0166, 80.6814



71.7495, 74.0166, 76.0750

Sweetspot

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



68.2493, 74.0197, 80.5033



92.9937, 98.9636, 107.7348



68.0111, 74.0335, 74.3247



19.9260, 21.1931, 23.0720



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.



68.2493, 74.0197, 80.5033



89.0331, 96.9687, 105.4330



67.9025, 72.6723, 82.4036



14.3927, 15.7272, 17.0960



19.6751, 32.6949, 27.0761



1.3989, 2.2803, 2.0618

Inverse Universe

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



67.9377, 69.2735, 75.4396



88.5694, 89.9067, 97.8986



68.2654, 70.5486, 73.6386



14.3105, 14.4754, 15.7605



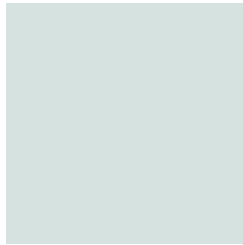
18.3483, 9.4063, 3.2340



1.3074, 0.6662, 0.4115

Previews

White Background



This preview shows how the XYZ color 68.2472, 74.0166, 80.5017 looks on a white background.

Color Contrast Check

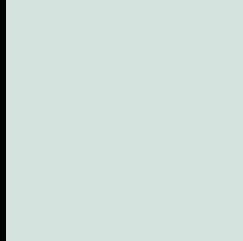
Large Text (above 18pt) WCAG AA × Fail

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 68.2472, 74.0166, 80.5017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

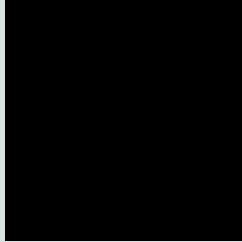
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

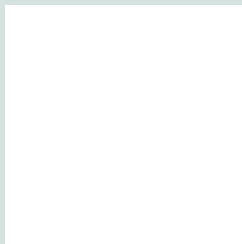
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2472, 74.0166, 80.5017

Background



This preview shows how black text looks on a background with the XYZ color 68.2472, 74.0166, 80.5017.

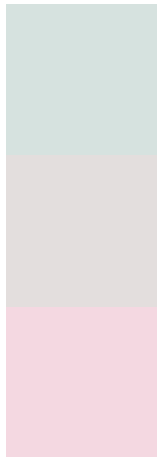


This preview shows how white text looks on a background with the XYZ color 68.2472, 74.0166,

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

68.2472, 74.0166, 80.5017

Protanopia

70.8510, 73.7939, 78.9160

Deuteranopia

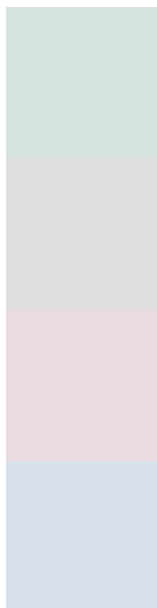
75.4547, 73.7811, 81.4984



Tritanopia

70.8801, 73.8779, 93.7432

Trichromacy



Original Color

68.2472, 74.0166, 80.5017

Protanomaly

69.6967, 73.5789, 79.6360

Deuteranomaly

72.6520, 73.8919, 80.9544

Tritanomaly

69.8258, 73.8508, 88.4163

Monochromacy



Original Color

68.2472, 74.0166, 80.5017

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7859, 73.1093, 79.5934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2472, 74.0166, 80.5017 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(214, 226, 223) looks like.

```
.text, #text, p{  
    color:rgb(214, 226, 223)  
}
```

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(214, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 226, 223) }
```

Border

The CSS property to change the border of an element to XYZ 68.2472, 74.0166, 80.5017 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(214, 226, 223) }
```


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

```
.border{ border-color:rgb(214, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(214, 226,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2472, 74.0166, 80.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 226, 223) }
```

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

```
.background{ background-color: rgb(214,  
226, 223) }
```

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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