

Converting Colors

XYZ(68.9768, 75.7256, 82.3763)

Have a look what the booklet for
XYZ(68.9768, 75.7256, 82.3763)
contains.

| | |
|--|----|
| XYZ(68.7613, 75.4719, 82.1776) | 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(68.7613, 75.4719,
82.1776)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D4E5E1 |
| RGB | 212, 229, 225 |
| RGB Percent | 83%, 90%, 88% |
| CMY | 0.1686, 0.1019, 0.1176 |
| CMYK | 0.07, 0.00, 0.02, 0.10 |
| HSL | 166°, 25%, 86% |
| HSV | 166°, 7%, 90% |
| XYZ | 68.7613, 75.4719, 82.1776 |
| YIQ | 223.4610, -8.8480, -4.8480 |

Conversions

Conversions Part 2

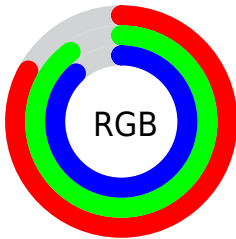
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 212, 222, 229 |
| Decimal | 13952481 |
| CIE Lab | 89.61, -6.38, -0.00 |
| CIE LCh | 90, 6.377, 180.010 |
| Yxy | 75.4719, 0.3037, 0.3333 |
| Android (android.graphics.Color) | 4292142561 (0xFFD4E5E1) |
| YUV | 223.4610, 0.7587, -10.0513 |
| Hunter-Lab | 86.8746, -10.7476, 4.7278 |

Details

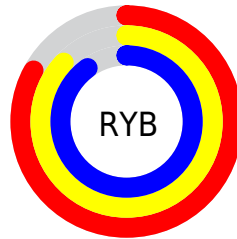
The XYZ color **68.7613, 75.4719, 82.1776** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.2540, 68.7048, 74.6333**, and the grayscale version is **70.4682, 74.1380, 80.7363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2964, 40.3425, 43.9041** is the 20% darker color. If you saturate the color by 10%, you get **61.8987, 72.0199, 78.0782**, and if you desaturate by 10%, it is **76.5877, 79.4223, 86.4465**.

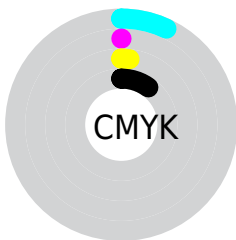
Distribution



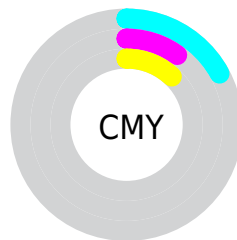
- Red (83%)
- Green (90%)
- Blue (88%)



- Red (83%)
- Yellow (87%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7613, 75.4719, 82.1776 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 68.7613, 75.4719, 82.1776 by changing the saturation by 10% instead.

■ 68.7613, 75.4719,
82.1776

■ 68.7613, 75.4719,
82.1776

445.5232,
479.5380, 522.1406

■ 50.7933, 55.9996,
60.9753

116.4765,
126.9801, 138.2619

■ 36.2645, 40.2026,
43.7748

146.9544,
159.7848, 173.9810

■ 24.8096, 27.6965,
30.1576

182.3330,
197.8024, 215.3761

■ 16.0632, 18.0970,
19.7052

222.9775,
241.4174, 262.8658

■ 9.6600, 11.0197,
11.9990

269.2535,
291.0140, 316.8685

■ 5.2347, 6.0801,
6.6204

321.5262,

■ 2.4218, 2.8938,

346.9767, 377.8029

3.1511

380.1610,
409.6899, 446.0874

■ 0.8560, 1.0766,
1.1723

■ 0.0000, 0.0000,
0.0000

■ 68.7613, 75.4719,
82.1776

■ 68.7613, 75.4719,
82.1776

■ 61.8987, 72.0199,
78.0782

■ 76.5877, 79.4223,
86.4465

■ 55.9542, 69.0363,
74.1404

■ 84.3699, 83.3451,
90.8341

■ 50.8875, 66.5027,
70.3628

■ 85.1645, 83.6629,
95.0181

■ 46.6533, 64.3957,
66.7420

■ 85.9829, 83.9903,
99.3278

■ 43.2017, 62.6895,
63.2747

■ 86.8253, 84.3273,
103.7641

■ 40.4777, 61.3558,
59.9569

■ 87.3107, 84.5215,
106.3202

■ 38.4187, 60.3624,
56.7848

■ 36.9514, 59.6716,
53.7535

■ 35.9780, 59.2329,
50.8574

Harmonies

Analogous

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



69.1544, 75.4719, 77.9358



68.7613, 75.4719, 82.1776



69.1549, 75.4719, 86.5701

Triad

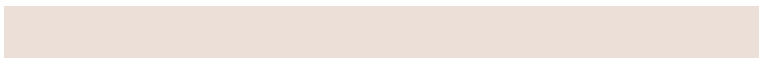
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7613, 75.4719, 82.1776



73.2521, 75.4719, 89.8810



73.2511, 75.4719, 74.9231

Complementary

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



68.7613, 75.4719, 82.1776



68.2540, 68.7048, 74.6333

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.



74.3759, 75.4719, 77.9333



68.7613, 75.4719, 82.1776



74.3765, 75.4719, 86.5674

Square

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



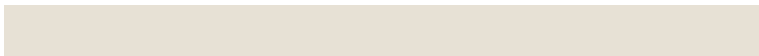
68.7613, 75.4719, 82.1776



71.7343, 75.4719, 91.1153



74.7907, 75.4719, 82.1745



71.7332, 75.4719, 73.8416

Rectangle

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



68.7613, 75.4719, 82.1776



69.8139, 75.4719, 88.9696



74.7907, 75.4719, 82.1745



73.6885, 75.4719, 75.7375

Sweetspot

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



68.7634, 75.4751, 82.1793



93.0058, 98.9684, 107.7983



68.2982, 75.4324, 73.2487



19.9285, 21.1941, 23.0849



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.



68.7634, 75.4751, 82.1793



86.2470, 95.5610, 104.0104



68.1543, 73.3724, 84.7027



14.6547, 16.2753, 17.7124



20.4976, 33.8312, 28.9185



1.5499, 2.5141, 2.3223

Inverse Universe

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



68.2540, 68.7048, 74.6333



85.4631, 85.1424, 92.3984



68.8193, 70.6537, 72.2989



14.5154, 14.4233, 15.6483



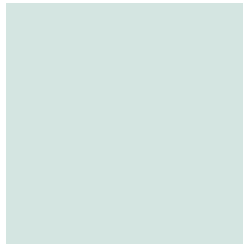
18.8935, 9.6916, 3.0680



1.4317, 0.7304, 0.4136

Previews

White Background



This preview shows how the XYZ color 68.7613, 75.4719, 82.1776 looks on a white background.

Color Contrast Check

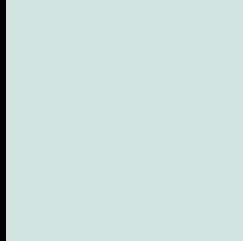
Large Text (above 18pt) WCAG AA × Fail

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 68.7613, 75.4719, 82.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

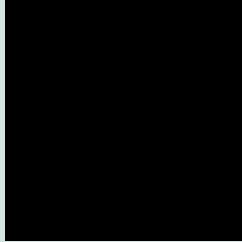
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

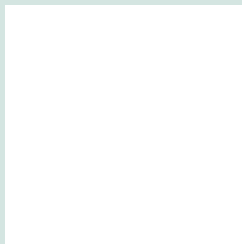
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7613, 75.4719, 82.1776

Background



This preview shows how black text looks on a background with the XYZ color 68.7613, 75.4719, 82.1776.

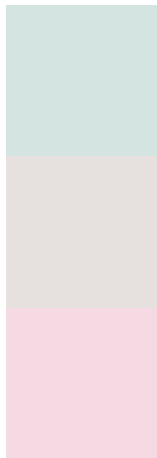


This preview shows how white text looks on a background with the XYZ color 68.7613, 75.4719,

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

68.7613, 75.4719, 82.1776

Protanopia

72.4736, 75.4082, 79.8427

Deuteranopia

76.9426, 75.2817, 83.1486



Tritanopia

71.5498, 75.3714, 96.3650

Trichromacy



Original Color

68.7613, 75.4719, 82.1776

Protanomaly

70.9471, 75.4084, 80.6280

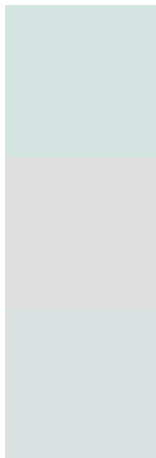
Deuteranomaly

73.7804, 75.2260, 82.5829

Tritanomaly

70.4867, 75.3487, 90.9495

Monochromacy



Original Color

68.7613, 75.4719, 82.1776

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.5932, 74.2923, 81.1929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7613, 75.4719, 82.1776 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(212, 229, 225) looks like.

```
.text, #text, p{  
    color:rgb(212, 229, 225)  
}
```

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(212, 229, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 229, 225) }
```

Border

The CSS property to change the border of an element to XYZ 68.7613, 75.4719, 82.1776 is called "border". The border property can be set on classes, ids or directly on the HTML element.

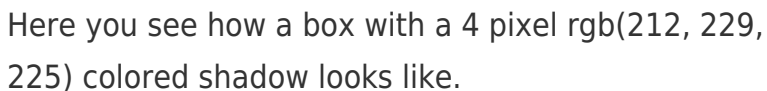
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 229, 225) }
```


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

```
.border{ border-color:rgb(212, 229, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(212, 229, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 229, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 229, 225); box-shadow:4px 4px 4px 4px rgb(212, 229, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7613, 75.4719, 82.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 229, 225) }
```

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

```
.background{ background-color: rgb(212,  
229, 225) }
```

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