

Converting Colors

XYZ(70.1165, 77.2069, 81.0869)

Have a look what the booklet for
XYZ(70.1165, 77.2069, 81.0869)
contains.

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Color

**XYZ(69.9195, 76.9266,
80.9752)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E7DF
RGB	215, 231, 223
RGB Percent	84%, 91%, 87%
CMY	0.1569, 0.0941, 0.1255
CMYK	0.07, 0.00, 0.03, 0.09
HSL	150°, 25%, 87%
HSV	150°, 7%, 91%
XYZ	69.9195, 76.9266, 80.9752
YIQ	225.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

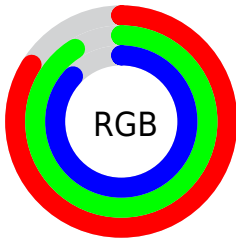
Format	Color
R _Y B	215, 226, 231
Decimal	14149599
CIE Lab	90.29, -6.78, 2.05
CIE LCh	90, 7.081, 163.140
Yxy	76.9266, 0.3069, 0.3377
Android (android.graphics.Color)	4292339679 (0xFFD7E7DF)
YUV	225.3040, -1.1359, -9.0366
Hunter-Lab	87.7078, -11.1908, 6.6567

Details

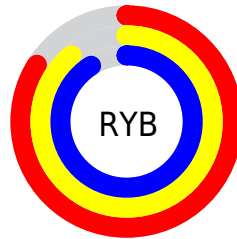
The XYZ color **69.9195, 76.9266, 80.9752** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5775, 70.9194, 79.7846**, and the grayscale version is **71.8000, 75.5392, 82.2622**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8951, 40.9607, 43.0074** is the 20% darker color. If you saturate the color by 10%, you get **62.1048, 73.0740, 72.7549**, and if you desaturate by 10%, it is **78.8026, 81.3220, 89.8035**.

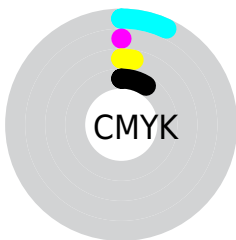
Distribution



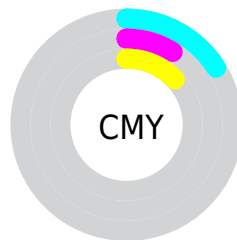
- Red (84%)
- Green (91%)
- Blue (87%)



- Red (84%)
- Yellow (89%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9195, 76.9266, 80.9752 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 69.9195, 76.9266, 80.9752 by changing the saturation by 10% instead.

69.9195, 76.9266,
80.9752

69.9195, 76.9266,
80.9752

449.5381,
484.5137, 518.0065

51.7403, 57.1926,
59.9903

118.1208,
129.0359, 136.5597

37.0215, 41.1599,
42.9856

148.8737,
162.1800, 171.9964

25.3979, 28.4441,
29.5425

184.5484,
200.5629, 213.0874

16.5041, 18.6607,
19.2425

225.5104,
244.5690, 260.2513

9.9746, 11.4253,
11.6670

272.1250,
294.5828, 313.9066

5.4443, 6.3537,
6.3976

324.7576,

2.5476, 3.0613,

350.9886, 374.4719

3.0157

383.7735,
414.1707, 442.3656

■ 0.9193, 1.1638,
1.1026

■ 0.0000, 0.0319,
0.0000

■ 69.9195, 76.9266,
80.9752

■ 69.9195, 76.9266,
80.9752

■ 62.1048, 73.0740,
72.7549

■ 78.8026, 81.3220,
89.8035

■ 55.3100, 69.7330,
65.1246

■ 86.4684, 85.0752,
99.1388

■ 49.4923, 66.8840,
58.0726

■ 87.8674, 85.6348,
106.5058

■ 44.6035, 64.5022,
51.5850

■ 40.5909, 62.5609,
45.6470

■ 37.3962, 61.0302,
40.2436

■ 34.9537, 59.8767,
35.3584

■ 33.1869, 59.0611,
30.9744

■ 31.9976, 58.5331,
27.0728

Harmonies

Analogous

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



70.8225, 76.9266, 76.8727



69.9195, 76.9266, 80.9752



69.8642, 76.9266, 85.9868

Triad

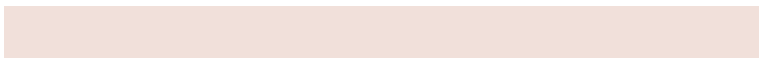
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9195, 76.9266, 80.9752



73.8899, 76.9266, 93.5760



75.6184, 76.9266, 77.2944

Complementary

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



69.9195, 76.9266, 80.9752



70.5775, 70.9194, 79.7846

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.



76.4680, 76.9266, 81.5720



69.9195, 76.9266, 80.9752



75.4593, 76.9266, 91.0468

Square

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



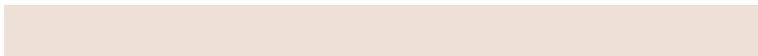
69.9195, 76.9266, 80.9752



72.1375, 76.9266, 93.4004



76.4093, 76.9266, 86.6079



74.1042, 76.9266, 74.8069

Rectangle

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



69.9195, 76.9266, 80.9752



70.3141, 76.9266, 89.1812



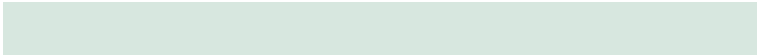
76.4093, 76.9266, 86.6079



75.9923, 76.9266, 78.5631

Sweetspot

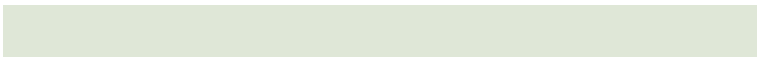
The Sweet Spot groups the original color and five complimentary colors.



69.9217, 76.9299, 80.9769



92.7905, 98.8823, 106.6649



71.3580, 77.7921, 75.5454



19.8847, 21.1766, 22.8542



0.0000, 0.0000, 0.0000



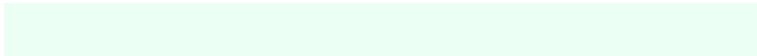
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9217, 76.9299, 80.9769



86.3396, 95.6944, 100.1447



70.9891, 77.3568, 86.5977



14.4883, 16.2087, 16.8362



17.8329, 32.7653, 14.8865



1.3647, 2.4400, 1.3470

Inverse Universe

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



70.5775, 70.9194, 79.7846



87.2852, 87.0284, 98.4257



69.5578, 70.5115, 74.4148



14.6761, 14.4876, 16.4948



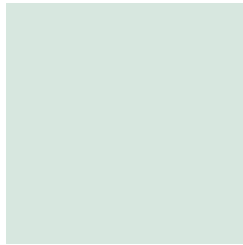
20.2895, 10.2500, 10.4197



1.5462, 0.7762, 1.0169

Previews

White Background



This preview shows how the XYZ color 69.9195, 76.9266, 80.9752 looks on a white background.

Color Contrast Check

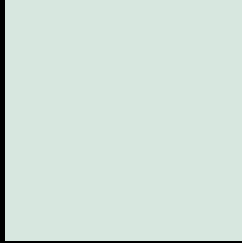
Large Text (above 18pt) WCAG AA × Fail

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 69.9195, 76.9266, 80.9752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

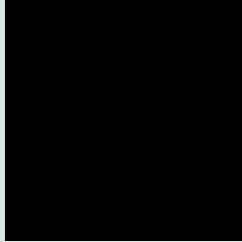
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

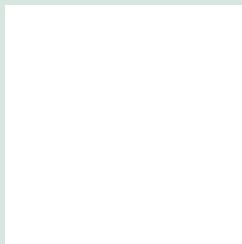
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9195, 76.9266, 80.9752

Background



This preview shows how black text looks on a background with the XYZ color 69.9195, 76.9266, 80.9752.



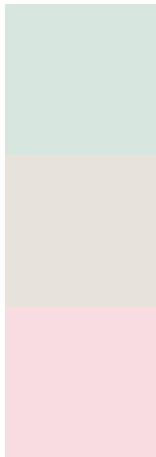
This preview shows how white text looks on a background with the XYZ color 69.9195, 76.9266,

80.9752.

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

69.9195, 76.9266, 80.9752

Protanopia

73.3933, 76.7158, 78.6495

Deuteranopia

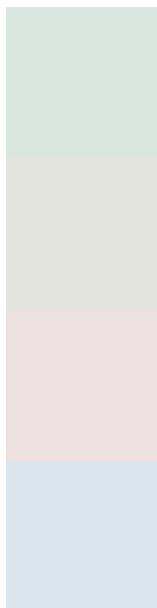
78.2507, 76.7624, 81.9265



Tritanopia

73.5914, 77.2007, 98.2113

Trichromacy



Original Color

69.9195, 76.9266, 80.9752

Protanomaly

72.1586, 76.8760, 79.4420

Deuteranomaly

75.0353, 76.6977, 81.3704

Tritanomaly

72.3654, 77.1171, 91.9599

Monochromacy



Original Color

69.9195, 76.9266, 80.9752

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.7424, 75.6921, 81.4025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9195, 76.9266, 80.9752 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(215, 231, 223) looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 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(215, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 223) }
```

Border

The CSS property to change the border of an element to XYZ 69.9195, 76.9266, 80.9752 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(215, 231, 223) }
```


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

```
.border{ border-color:rgb(215, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9195, 76.9266, 80.9752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 223) }
```

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

```
.background{ background-color: rgb(215,  
231, 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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