

Converting Colors

XYZ(70.6708, 76.8031, 84.7259)

Have a look what the booklet for
XYZ(70.6708, 76.8031, 84.7259)
contains.

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Color

**XYZ(70.6193, 76.7940,
84.4995)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E6E4
RGB	216, 230, 228
RGB Percent	85%, 90%, 89%
CMY	0.1529, 0.0980, 0.1059
CMYK	0.06, 0.00, 0.01, 0.10
HSL	171°, 22%, 87%
HSV	171°, 6%, 90%
XYZ	70.6193, 76.7940, 84.4995
YIQ	225.5860, -7.7020, -3.5900

Conversions

Conversions Part 2

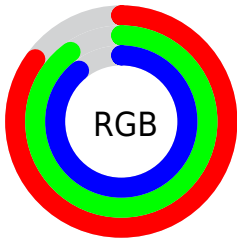
Format	Color
R _Y B	216, 224, 230
Decimal	14214884
CIE Lab	90.23, -5.01, -0.64
CIE LCh	90, 5.054, 187.311
Yxy	76.7940, 0.3045, 0.3311
Android (android.graphics.Color)	4292404964 (0xFFD8E6E4)
YUV	225.5860, 1.1901, -8.4069
Hunter-Lab	87.6322, -9.5103, 4.1720

Details

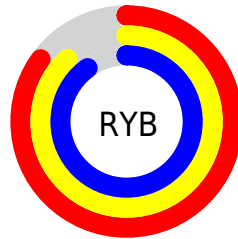
The XYZ color **70.6193, 76.7940, 84.4995** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8467, 70.9987, 76.3561**, and the grayscale version is **71.9874, 75.7363, 82.4768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5707, 41.2541, 45.5178** is the 20% darker color. If you saturate the color by 10%, you get **63.8421, 73.3546, 81.8215**, and if you desaturate by 10%, it is **78.3608, 80.7337, 87.2712**.

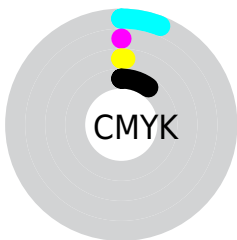
Distribution



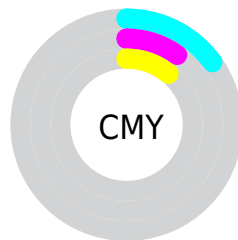
- Red (85%)
- Green (90%)
- Blue (89%)



- Red (85%)
- Yellow (88%)
- Blue (90%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6193, 76.7940, 84.4995 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 70.6193, 76.7940, 84.4995 by changing the saturation by 10% instead.

■ 70.6193, 76.7940,
84.4995

■ 70.6193, 76.7940,
84.4995

451.9541,
484.0614, 530.0718

■ 52.3130, 57.0838,
62.8801

119.1130,
128.8487, 141.5416

■ 37.4799, 41.0725,
45.3039

150.0310,
161.9619, 177.8015

■ 25.7546, 28.3758,
31.3522

185.8837,
200.3116, 219.7786

■ 16.7719, 18.6091,
20.6064

227.0364,
244.2823, 267.8915

■ 10.1663, 11.3882,
12.6482

273.8544,
294.2582, 322.5587

■ 5.5725, 6.3286,
7.0589

326.7031,

■ 2.6251, 3.0459,

350.6237, 384.1988

3.4199

385.9479,
413.7633, 453.2303

■ 0.9587, 1.1557,
1.3129

■ 0.0000, 0.0251,
0.0723

■ 70.6193, 76.7940,
84.4995

■ 70.6193, 76.7940,
84.4995

■ 63.8421, 73.3546,
81.8215

■ 78.3608, 80.7337,
87.2712

■ 57.9832, 70.3855,
79.2301


■ 84.4735, 83.8306,
90.0107


■ 53.0027, 67.8683,
76.7246


■ 84.9524, 84.0222,
92.5325


■ 48.8554, 65.7796,
74.3028


■ 85.4401, 84.2173,
95.1008


 45.4916, 64.0938,
71.9621


 85.9367, 84.4159,
97.7159

 42.8568, 62.7829,
69.6997


 86.4423, 84.6181,
100.3780

 40.8890, 61.8148,
67.5123

 86.9568, 84.8240,
103.0874

 39.5161, 61.1525,
65.3964

 87.4803, 85.0334,
105.8443

 38.6483, 60.7496,
63.3475

 87.5883, 85.0765,
106.4128

Harmonies

Analogous

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



70.7832, 76.7940, 80.9740



70.6193, 76.7940, 84.4995



71.0849, 76.7940, 87.8817

Triad

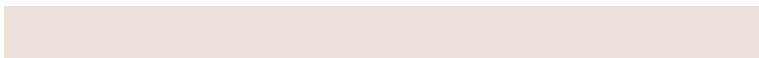
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6193, 76.7940, 84.4995



74.4652, 76.7940, 89.2426



73.9266, 76.7940, 77.3907

Complementary

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



70.6193, 76.7940, 84.4995



69.8467, 70.9987, 76.3561

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.



74.9296, 76.7940, 79.4898



70.6193, 76.7940, 84.4995



75.2430, 76.7940, 86.3141

Square

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



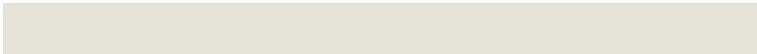
70.6193, 76.7940, 84.4995



73.2984, 76.7940, 90.6708



75.4140, 76.7940, 82.7379



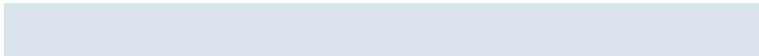
72.6833, 76.7940, 76.9363

Rectangle

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



70.6193, 76.7940, 84.4995



71.6928, 76.7940, 89.5774



75.4140, 76.7940, 82.7379



74.3035, 76.7940, 77.9244

Sweetspot

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



70.6215, 76.7973, 84.5012



93.0812, 98.9986, 108.1958



69.6372, 76.4757, 76.0579



19.9438, 21.2003, 23.1658



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.



70.6215, 76.7973, 84.5012



88.3766, 96.6069, 106.4556



69.5564, 74.2193, 85.5265



15.0004, 16.4445, 18.1355



21.7666, 34.3387, 35.6008



1.6329, 2.5473, 2.7593

Inverse Universe

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



69.8467, 70.9987, 76.3561



87.2519, 88.1890, 94.6312



70.8605, 73.4435, 75.4081



14.7949, 14.9067, 15.9753



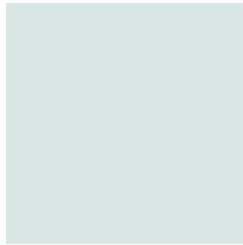
18.6564, 9.5968, 1.8196



1.4052, 0.7198, 0.2744

Previews

White Background



This preview shows how the XYZ color 70.6193, 76.7940, 84.4995 looks on a white background.

Color Contrast Check

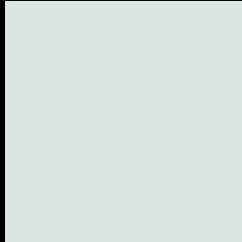
Large Text (above 18pt) WCAG AA × Fail

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 70.6193, 76.7940, 84.4995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

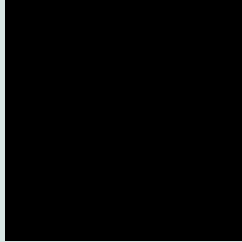
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

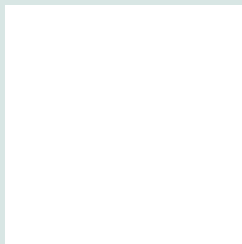
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6193, 76.7940, 84.4995

Background



This preview shows how black text looks on a background with the XYZ color 70.6193, 76.7940, 84.4995.



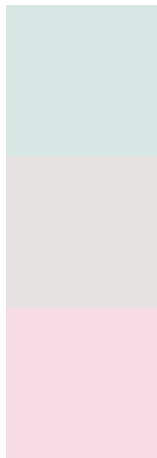
This preview shows how white text looks on a background with the XYZ color 70.6193, 76.7940,

84.4995.

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

70.6193, 76.7940, 84.4995

Protanopia

73.8788, 76.8726, 82.8956

Deuteranopia

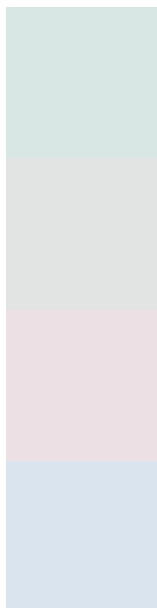
78.2339, 76.6737, 85.5390



Tritanopia

73.1639, 76.5908, 97.3136

Trichromacy



Original Color

70.6193, 76.7940, 84.4995

Protanomaly

72.6982, 76.6530, 83.6369

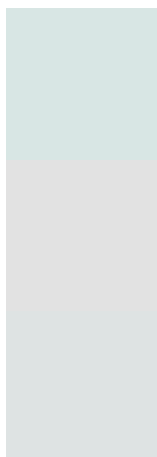
Deuteranomaly

75.3906, 76.8013, 84.9794

Tritanomaly

72.2368, 76.6242, 92.6440

Monochromacy



Original Color

70.6193, 76.7940, 84.4995

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4584, 76.0138, 83.5789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6193, 76.7940, 84.4995 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, 230, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 230, 228)  
}
```

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, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 230, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.6193, 76.7940, 84.4995 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, 230, 228) }
```


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

```
.border{ border-color:rgb(216, 230, 228) }
```

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

Here you see how a box with a 4 pixel rgb(216, 230, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(216, 230,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6193, 76.7940, 84.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 230, 228) }
```

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

```
.background{ background-color: rgb(216,  
230, 228) }
```

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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