

Converting Colors

XYZ(70.7268, 76.3566, 73.2989)

Have a look what the booklet for
XYZ(70.7268, 76.3566, 73.2989)
contains.

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Color

**XYZ(70.6784, 76.2478,
73.2795)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E4D4
RGB	225, 228, 212
RGB Percent	88%, 89%, 83%
CMY	0.1176, 0.1059, 0.1686
CMYK	0.01, 0.00, 0.07, 0.11
HSL	71°, 23%, 86%
HSV	71°, 7%, 89%
XYZ	70.6784, 76.2478, 73.2795
YIQ	225.2790, 3.3480, -5.6120

Conversions

Conversions Part 2

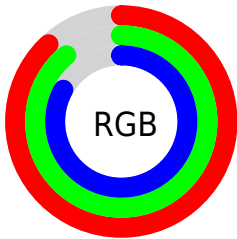
Format	Color
RYB	212, 228, 215
Decimal	14804180
CIELab	89.97, -3.80, 7.45
CIELCh	90, 8.358, 117.028
Yxy	76.2478, 0.3210, 0.3463
Android (android.graphics.Color)	4292994260 (0xFFE1E4D4)
YUV	225.2790, -6.5465, -0.2447
Hunter-Lab	87.3200, -8.3288, 11.3674

Details

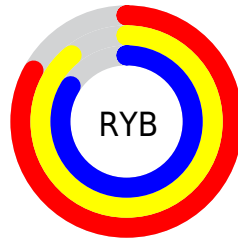
The XYZ color **70.6784, 76.2478, 73.2795** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5743, 67.1375, 82.9055**, and the grayscale version is **71.8144, 75.5544, 82.2787**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6069, 40.8675, 37.8044** is the 20% darker color. If you saturate the color by 10%, you get **66.6860, 74.5011, 59.1241**, and if you desaturate by 10%, it is **75.1147, 78.1809, 89.5790**.

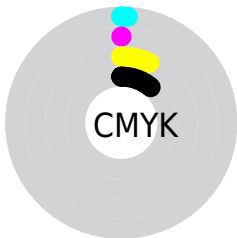
Distribution



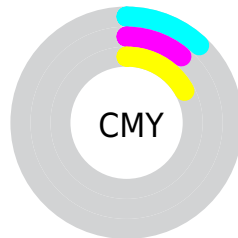
- Red (88%)
- Green (89%)
- Blue (83%)



- Red (83%)
- Yellow (89%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6784, 76.2478, 73.2795 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 70.6784, 76.2478, 73.2795 by changing the saturation by 10% instead.

■ 70.6784, 76.2478,
73.2795

■ 70.6784, 76.2478,
73.2795

452.1578,
482.1955, 491.0797

■ 52.3614, 56.6357,
53.7113

119.1967,
128.0771, 125.5985

■ 37.5186, 40.7128,
37.9793

150.1287,
161.0632, 159.1864

■ 25.7848, 28.0948,
25.6649

185.9964,
199.2760, 198.2847

■ 16.7946, 18.3971,
16.3496

227.1651,
243.1000, 243.3118

■ 10.1825, 11.2355,
9.6149

274.0003,
292.9195, 294.6863

■ 5.5833, 6.2254,
5.0421

326.8672,

■ 2.6317, 2.9826,

349.1190, 352.8267

2.2128

386.1312,
412.0829, 418.1517

■ 0.9621, 1.1227,
0.6818

■ 0.0000, 0.0000,
0.0000

■ 70.6784, 76.2478,
73.2795

■ 70.6784, 76.2478,
73.2795

■ 66.6860, 74.5011,
59.1241

■ 75.1147, 78.1809,
89.5790

■ 63.1140, 72.9239,
47.0186

■ 79.5828, 80.1281,
105.8795

■ 59.9462, 71.5122,
36.8693

■ 81.0016, 80.8595,
105.9459

■ 57.1627, 70.2580,
28.5731

■ 82.4547, 81.6086,
106.0139

■ 54.7419, 69.1526,
22.0176

■ 83.9421, 82.3754,
106.0836

■ 52.6600, 68.1865,
17.0781

■ 85.4641, 83.1600,
106.1548

■ 50.8898, 67.3488,
13.6134

■ 87.0210, 83.9626,
106.2276

■ 49.3997, 66.6268,
11.4581

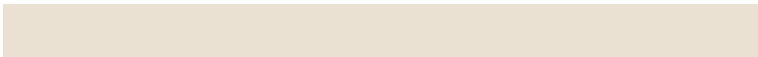
■ 87.0349, 83.9698,
106.2283

■ 48.1487, 66.0040,
10.3975

Harmonies

Analogous

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



72.6777, 76.2478, 72.1544



70.6784, 76.2478, 73.2795



69.1847, 76.2478, 76.9731

Triad

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



70.6784, 76.2478, 73.2795



70.3276, 76.2478, 92.9510



76.5173, 76.2478, 83.6131

Complementary

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



70.6784, 76.2478, 73.2795



65.5743, 67.1375, 82.9055

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.



75.8603, 76.2478, 89.3774



70.6784, 76.2478, 73.2795



72.2651, 76.2478, 94.9270

Square

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



70.6784, 76.2478, 73.2795



68.9848, 76.2478, 88.3068



74.2942, 76.2478, 93.5895



76.0732, 76.2478, 77.9503

Rectangle

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



70.6784, 76.2478, 73.2795



68.6632, 76.2478, 80.4894



74.2942, 76.2478, 93.5895



76.4176, 76.2478, 85.6049

Sweetspot

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



70.6805, 76.2511, 73.2812



93.8883, 99.4947, 104.6162



68.1646, 69.8166, 72.1718



20.1082, 21.3013, 22.4370



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.



70.6805, 76.2511, 73.2812



90.5428, 98.0360, 92.4453



68.2647, 75.0057, 73.1681



15.3224, 16.6733, 15.3151



27.6957, 38.0591, 5.8864



2.1154, 2.8479, 0.4382

Inverse Universe

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



65.5743, 67.1375, 82.9055



83.0482, 84.6594, 106.5715



67.9605, 68.3676, 83.0171



13.8340, 14.0167, 18.1207



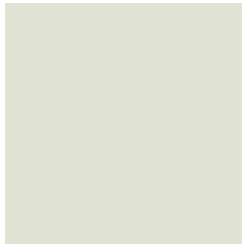
8.7298, 3.5663, 42.6114



0.7174, 0.3008, 3.1522

Previews

White Background



This preview shows how the XYZ color 70.6784, 76.2478, 73.2795 looks on a white background.

Color Contrast Check

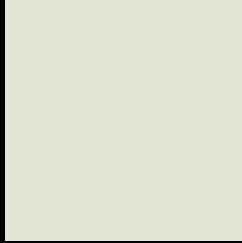
Large Text (above 18pt) WCAG AA × Fail

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 70.6784, 76.2478, 73.2795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

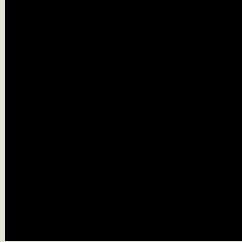
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

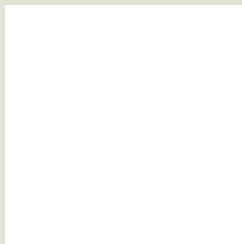
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6784, 76.2478, 73.2795

Background



This preview shows how black text looks on a background with the XYZ color 70.6784, 76.2478, 73.2795.

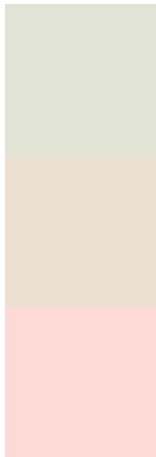


This preview shows how white text looks on a background with the XYZ color 70.6784, 76.2478, 73.2795.

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

70.6784, 76.2478, 73.2795

Protanopia

72.6148, 76.0460, 72.4792

Deuteranopia

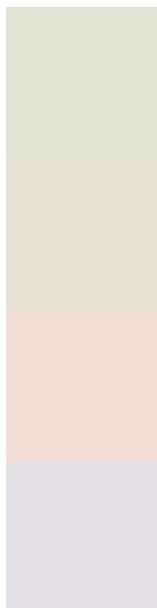
77.7170, 75.8805, 74.1686



Tritanopia

74.8459, 76.3202, 94.0056

Trichromacy



Original Color

70.6784, 76.2478, 73.2795

Protanomaly

71.9092, 76.0848, 72.5238

Deuteranomaly

75.0937, 76.1013, 73.6820

Tritanomaly

73.2030, 76.0576, 85.6853

Monochromacy



Original Color

70.6784, 76.2478, 73.2795

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.1660, 75.5676, 78.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6784, 76.2478, 73.2795 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(225, 228, 212) looks like.

```
.text, #text, p{  
    color:rgb(225, 228, 212)  
}
```

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(225, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 228, 212) }
```

Border

The CSS property to change the border of an element to XYZ 70.6784, 76.2478, 73.2795 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(225, 228, 212) }
```


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

```
.border{ border-color:rgb(225, 228, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 228, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(225, 228,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6784, 76.2478, 73.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 228, 212) }
```

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

```
.background{ background-color: rgb(225,  
228, 212) }
```

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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