

Converting Colors

XYZ(69.8148, 73.1611, 78.0909)

Have a look what the booklet for
XYZ(69.8148, 73.1611, 78.0909)
contains.

XYZ(69.7800, 73.2572, 78.1724)	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(69.7800, 73.2572,
78.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	E0DEDC
RGB	224, 222, 220
RGB Percent	88%, 87%, 86%
CMY	0.1216, 0.1294, 0.1372
CMYK	0.00, 0.01, 0.02, 0.12
HSL	30°, 6%, 87%
HSV	30°, 2%, 88%
XYZ	69.7800, 73.2572, 78.1724
YIQ	222.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

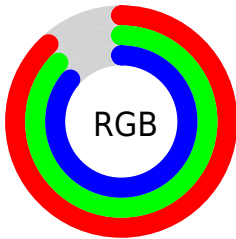
Format	Color
R_{YB}	224, 224, 220
Decimal	14737116
CIE Lab	88.57, 0.33, 1.21
CIE LCh	89, 1.251, 74.890
Yxy	73.2572, 0.3154, 0.3312
Android (android.graphics.Color)	4292927196 (0xFFE0DEDC)
YUV	222.3700, -1.1684, 1.4295
Hunter-Lab	85.5904, -4.2561, 5.7619

Details

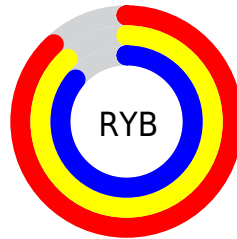
The XYZ color **69.7800, 73.2572, 78.1724** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0909, 72.8389, 80.9397**, and the grayscale version is **69.7016, 73.3315, 79.8580**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9724, 38.7891, 41.1357** is the 20% darker color. If you saturate the color by 10%, you get **64.1396, 66.4097, 62.6232**, and if you desaturate by 10%, it is **76.0189, 80.6637, 95.8841**.

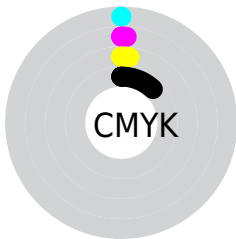
Distribution



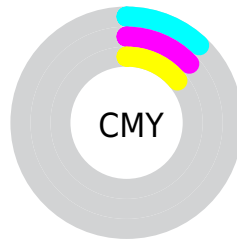
- Red (88%)
- Green (87%)
- Blue (86%)



- Red (88%)
- Yellow (88%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7800, 73.2572, 78.1724 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 69.7800, 73.2572, 78.1724 by changing the saturation by 10% instead.

■ 69.7800, 73.2572,
78.1724

■ 69.7800, 73.2572,
78.1724

449.0556,
471.9057, 508.2955

■ 51.6261, 54.1863,
57.6983

117.9229,
123.8423, 132.5812

■ 36.9302, 38.7506,
41.1531

148.6428,
156.1252, 167.3530

■ 25.3269, 26.5658,
28.1181

184.2819,
193.5810, 207.7278

■ 16.4508, 17.2474,
18.1749

225.2058,
236.5940, 254.1241

■ 9.9366, 10.4110,
10.9049

271.7798,
285.5485, 306.9605

■ 5.4189, 5.6723,
5.8895

324.3692,

■ 2.5323, 2.6469,

340.8291, 366.6555

2.7103

383.3393,
402.8200, 433.6277

■ 0.9116, 0.9503,
0.9486

■ 0.0000, 0.0000,
0.0000

■ 69.7800, 73.2572,
78.1724

■ 69.7800, 73.2572,
78.1724

■ 64.1396, 66.4097,
62.6232

■ 76.0189, 80.6637,
95.8841

■ 59.0722, 60.0978,
49.1478

■ 81.2498, 87.9855,
107.3083

■ 54.5590, 54.3103,
37.6584

■ 84.5508, 94.5875,
108.4086

■ 50.5781, 49.0319,
28.0589

■ 47.1058, 44.2465,
20.2453

■ 44.1164, 39.9368,
14.1034

■ 41.5816, 36.0844,
9.5055

■ 39.4690, 32.6690,
6.3051

■ 37.7409, 29.6677,
4.3269

Harmonies

Analogous

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



70.0403, 73.2572, 78.5986



69.7800, 73.2572, 78.1724



69.4799, 73.2572, 78.1708

Triad

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



69.7800, 73.2572, 78.1724



69.0700, 73.2572, 80.1921



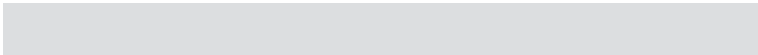
70.0387, 73.2572, 80.9467

Complementary

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



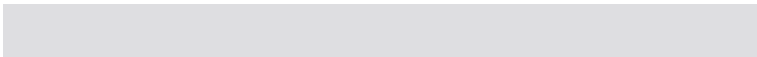
69.7800, 73.2572, 78.1724



69.0909, 72.8389, 80.9397

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.



69.7779, 73.2572, 81.3800



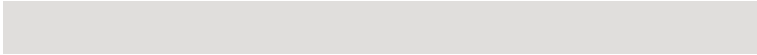
69.7800, 73.2572, 78.1724



69.2189, 73.2572, 80.9422

Square

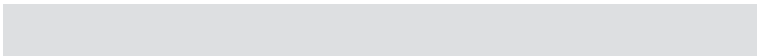
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7800, 73.2572, 78.1724



69.0706, 73.2572, 79.3326



69.4778, 73.2572, 81.3783



70.1900, 73.2572, 80.1982

Rectangle

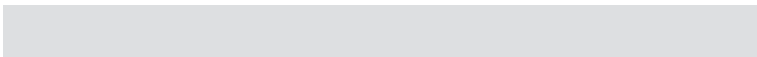
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



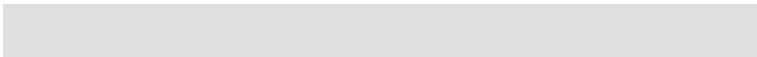
69.7800, 73.2572, 78.1724



69.2977, 73.2572, 78.4105



69.4778, 73.2572, 81.3783



69.9609, 73.2572, 81.1343

Sweetspot

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



69.7821, 73.2604, 78.1740



94.2375, 99.0277, 106.6172



69.5195, 72.3087, 79.4011



20.1793, 21.2063, 22.8445



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.



69.7821, 73.2604, 78.1740



93.4332, 98.0629, 104.3639



70.3153, 74.3268, 78.3517



15.2129, 15.9691, 17.0198



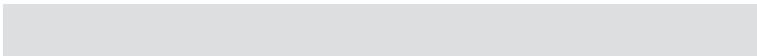
21.3957, 16.2294, 2.0049



1.5726, 1.3040, 0.1688

Inverse Universe

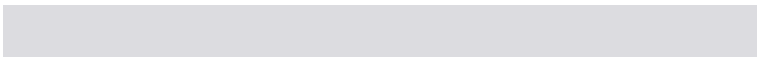
The Inverse Universe completely reimagines the original color for something new.



69.0909, 72.8389, 80.9397



92.3888, 97.4260, 108.5434



68.5640, 71.7850, 80.7641



15.0534, 15.8719, 17.6579



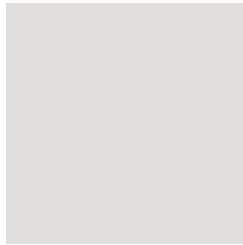
11.3044, 10.0783, 42.3979



0.8731, 0.8776, 2.9686

Previews

White Background



This preview shows how the XYZ color 69.7800, 73.2572, 78.1724 looks on a white background.

Color Contrast Check

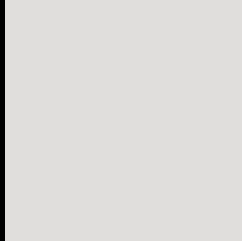
Large Text (above 18pt) WCAG AA × Fail

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 69.7800, 73.2572, 78.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

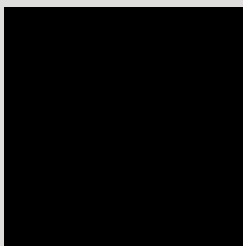
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

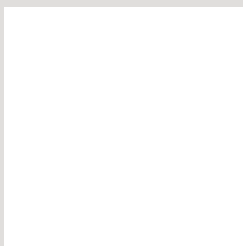
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7800, 73.2572, 78.1724

Background



This preview shows how black text looks on a background with the XYZ color 69.7800, 73.2572, 78.1724.

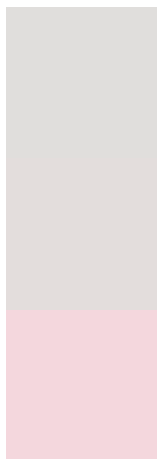


This preview shows how white text looks on a background with the XYZ color 69.7800, 73.2572,

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

69.7800, 73.2572, 78.1724

Protanopia

70.4533, 73.2111, 78.1280

Deuteranopia

74.6598, 73.0544, 78.5725



Tritanopia

72.2961, 73.1084, 90.4217

Trichromacy



Original Color

69.7800, 73.2572, 78.1724

Protanomaly

70.1387, 73.0490, 78.1133

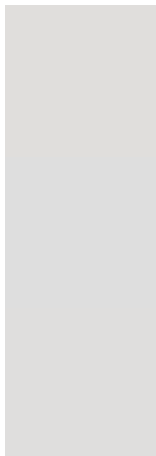
Deuteranomaly

73.0476, 73.3678, 78.7180

Tritanomaly

71.3810, 73.1247, 85.9536

Monochromacy



Original Color

69.7800, 73.2572, 78.1724

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.6038, 73.1510, 78.8576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7800, 73.2572, 78.1724 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(224, 222, 220) looks like.

```
.text, #text, p{  
    color:rgb(224, 222, 220)  
}
```

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(224, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 222, 220) }
```

Border

The CSS property to change the border of an element to XYZ 69.7800, 73.2572, 78.1724 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(224, 222, 220) }
```


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

```
.border{ border-color:rgb(224, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 222,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7800, 73.2572, 78.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 222, 220) }
```

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

```
.background{ background-color: rgb(224,  
222, 220) }
```

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