

Converting Colors

XYZ(69.7376, 75.4899, 64.9714)

Have a look what the booklet for
XYZ(69.7376, 75.4899, 64.9714)
contains.

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Color

**XYZ(69.7728, 75.5557,
64.9391)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E3C7
RGB	228, 227, 199
RGB Percent	89%, 89%, 78%
CMY	0.1059, 0.1098, 0.2196
CMYK	0.00, 0.00, 0.13, 0.11
HSL	58°, 35%, 84%
HSV	58°, 13%, 89%
XYZ	69.7728, 75.5557, 64.9391
YIQ	224.1070, 9.5840, -8.4960

Conversions

Conversions Part 2

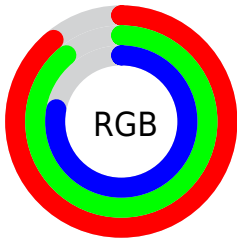
Format	Color
R _Y B	200, 228, 199
Decimal	15000519
CIE Lab	89.65, -4.36, 13.81
CIE LCh	90, 14.481, 107.503
Yxy	75.5557, 0.3318, 0.3593
Android (android.graphics.Color)	4293190599 (0xFFE4E3C7)
YUV	224.1070, -12.3778, 3.4142
Hunter-Lab	86.9228, -8.8332, 16.5510

Details

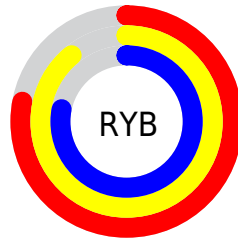
The XYZ color **69.7728, 75.5557, 64.9391** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.2109, 59.0509, 81.7293**, and the grayscale version is **71.0107, 74.7088, 81.3578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8766, 40.3200, 32.6270** is the 20% darker color. If you saturate the color by 10%, you get **67.1087, 74.1509, 51.9545**, and if you desaturate by 10%, it is **72.8386, 77.1277, 80.0162**.

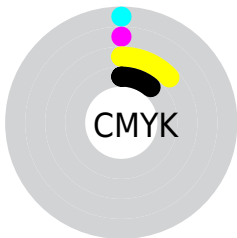
Distribution



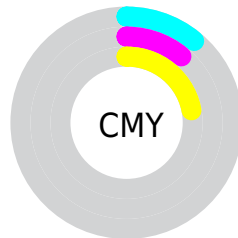
- Red (89%)
- Green (89%)
- Blue (78%)



- Red (78%)
- Yellow (89%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7728, 75.5557, 64.9391 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 69.7728, 75.5557, 64.9391 by changing the saturation by 10% instead.

■ 69.7728, 75.5557,
64.9391

■ 69.7728, 75.5557,
64.9391

449.0307,
479.8254, 460.8733

■ 51.6203, 56.0683,
46.9607

117.9127,
127.0987, 113.5747

■ 36.9255, 40.2577,
32.6504

148.6308,
159.9230, 145.0690

■ 25.3232, 27.7395,
21.5899

184.2682,
197.9617, 181.9057

■ 16.4481, 18.1294,
13.3604

225.1901,
241.5993, 224.5032

■ 9.9346, 11.0429,
7.5436

271.7619,
291.2200, 273.2802

■ 5.4176, 6.0957,
3.7208

324.3491,

■ 2.5315, 2.9034,

347.2084, 328.6552

1.4734

383.3169,
409.9487, 391.0467

■ 0.9112, 1.0815,
0.1980

■ 0.0000, 0.0000,
0.0000

■ 69.7728, 75.5557,
64.9391

■ 69.7728, 75.5557,
64.9391

■ 67.1087, 74.1509,
51.9545

■ 72.8386, 77.1277,
80.0162

■ 64.8227, 72.8965,
40.9651

■ 76.3165, 78.8636,
97.2678

■ 62.8979, 71.7880,
31.8728

■ 78.1623, 79.9483,
105.9197

■ 61.3138, 70.8173,
24.5695

■ 78.3797, 80.3831,
105.9922

60.0476, 69.9754,
18.9364

78.5981, 80.8199,
106.0650

59.0742, 69.2522,
14.8399

78.8175, 81.2587,
106.1381

58.3644, 68.6359,
12.1264

79.0378, 81.6994,
106.2116

57.8828, 68.1125,
10.6104

79.2592, 82.1421,
106.2853

57.6348, 67.7734,
10.0439

79.4815, 82.5868,
106.3595

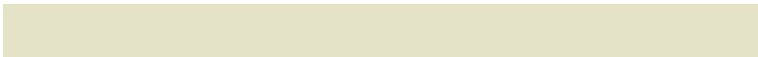
Harmonies

Analogous

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



73.3061, 75.5557, 64.5611



69.7728, 75.5557, 64.9391



66.8800, 75.5557, 69.7124

Triad

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



69.7728, 75.5557, 64.9391



67.2842, 75.5557, 97.5971



78.7113, 75.5557, 86.5863

Complementary

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



69.7728, 75.5557, 64.9391



58.2109, 59.0509, 81.7293

Split Complementary

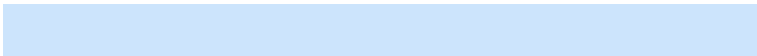
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9837, 75.5557, 96.2457



69.7728, 75.5557, 64.9391



70.3412, 75.5557, 102.9467

Square

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



69.7728, 75.5557, 64.9391



65.4762, 75.5557, 88.3099



73.8935, 75.5557, 102.4326



78.5469, 75.5557, 76.5068

Rectangle

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



69.7728, 75.5557, 64.9391



65.6684, 75.5557, 74.9862



73.8935, 75.5557, 102.4326



78.3303, 75.5557, 90.0051

Sweetspot

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



69.7748, 75.5590, 64.9407



93.3393, 99.1372, 100.4421



62.8972, 61.5331, 63.4828



19.9117, 21.1856, 21.1691



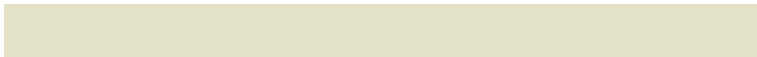
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.7748, 75.5590, 64.9407



89.0746, 96.9421, 79.4923



66.0627, 74.0506, 64.8452



15.5570, 16.7279, 15.3133



33.2990, 39.1721, 5.8059



2.4740, 2.9214, 0.4335

Inverse Universe

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



58.2109, 59.0509, 81.7293



71.6786, 72.1087, 104.7482



61.5937, 60.4538, 81.8218



13.6223, 13.9660, 18.1221



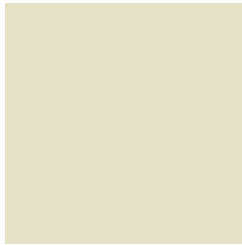
8.1527, 3.3674, 42.6035



0.6165, 0.2770, 3.1529

Previews

White Background



This preview shows how the XYZ color 69.7728, 75.5557, 64.9391 looks on a white background.

Color Contrast Check

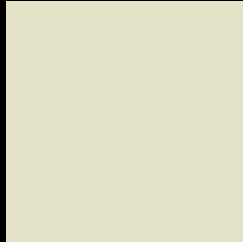
Large Text (above 18pt) WCAG AA × Fail

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 69.7728, 75.5557, 64.9391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

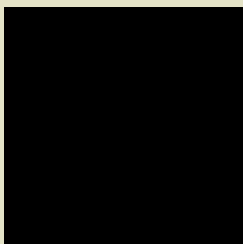
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

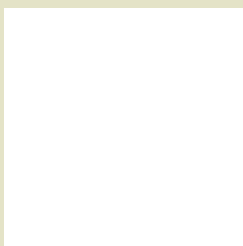
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7728, 75.5557, 64.9391

Background



This preview shows how black text looks on a background with the XYZ color 69.7728, 75.5557, 64.9391.



This preview shows how white text looks on a background with the XYZ color 69.7728, 75.5557,

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

69.7728, 75.5557, 64.9391

Protanopia

71.7103, 75.7605, 64.2698

Deuteranopia

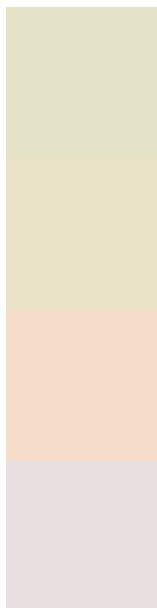
76.7135, 75.1500, 66.3393



Tritanopia

75.3681, 75.4373, 92.2499

Trichromacy



Original Color

69.7728, 75.5557, 64.9391

Protanomaly

70.9937, 75.7936, 64.3139

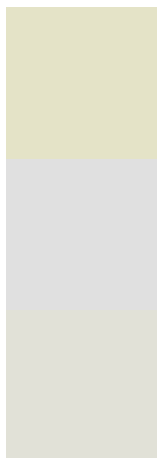
Deuteranomaly

74.0553, 75.3424, 65.8978

Tritanomaly

73.1209, 75.3130, 81.2040

Monochromacy



Original Color

69.7728, 75.5557, 64.9391

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2423, 74.7643, 75.0188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7728, 75.5557, 64.9391 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(228, 227, 199) looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 199)  
}
```

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(228, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 199) }
```

Border

The CSS property to change the border of an element to XYZ 69.7728, 75.5557, 64.9391 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(228, 227, 199) }
```


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

```
.border{ border-color:rgb(228, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 199);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7728, 75.5557, 64.9391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 199) }
```

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

```
.background{ background-color: rgb(228,  
227, 199) }
```

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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