

Converting Colors

XYZ(68.9244, 74.9168, 64.8610)

Have a look what the booklet for
XYZ(68.9244, 74.9168, 64.8610)
contains.

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Color

**XYZ(69.1419, 75.2304,
64.9096)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E3C7
RGB	226, 227, 199
RGB Percent	89%, 89%, 78%
CMY	0.1137, 0.1098, 0.2196
CMYK	0.00, 0.00, 0.12, 0.11
HSL	62°, 33%, 84%
HSV	62°, 12%, 89%
XYZ	69.1419, 75.2304, 64.9096
YIQ	223.5090, 8.3920, -8.9200

Conversions

Conversions Part 2

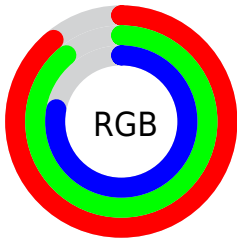
Format	Color
RYB	199, 227, 200
Decimal	14869447
CIELab	89.50, -5.06, 13.57
CIELCh	90, 14.488, 110.459
Yxy	75.2304, 0.3304, 0.3595
Android (android.graphics.Color)	4293059527 (0xFFE2E3C7)
YUV	223.5090, -12.0829, 2.1846
Hunter-Lab	86.7355, -9.4943, 16.3444

Details

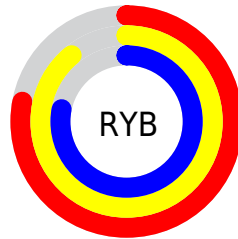
The XYZ color **69.1419, 75.2304, 64.9096** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.1109, 58.6743, 80.9395**, and the grayscale version is **70.5822, 74.2579, 80.8669**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6579, 40.2073, 32.6168** is the 20% darker color. If you saturate the color by 10%, you get **66.4464, 74.1253, 52.0363**, and if you desaturate by 10%, it is **72.2359, 76.5000, 79.8570**.

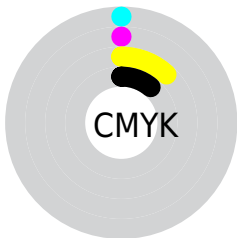
Distribution



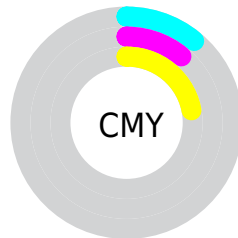
- Red (89%)
- Green (89%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1419, 75.2304, 64.9096 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 69.1419, 75.2304, 64.9096 by changing the saturation by 10% instead.

69.1419, 75.2304,
64.9096

69.1419, 75.2304,
64.9096

446.8448,
478.7091, 460.7644

51.1043, 55.8017,
46.9369

117.0172,
126.6384, 113.5319

36.5130, 40.0439,
32.6318

147.5856,
159.3866, 145.0186

25.0026, 27.5728,
21.5757

183.0617,
197.3432, 181.8470

16.2078, 18.0039,
13.3502

223.8109,
240.8929, 224.4358

9.7631, 10.9528,
7.5365

270.1984,
290.4199, 273.2033

5.3032, 6.0351,
3.7164

322.5897,

2.4628, 2.8664,

346.3087, 328.5682

1.4711

381.3500,
408.9436, 390.9491

■ 0.8765, 1.0624,
0.1962

■ 0.0000, 0.0000,
0.0000

■ 69.1419, 75.2304,
64.9096

■ 69.1419, 75.2304,
64.9096

■ 66.4464, 74.1253,
52.0363

■ 72.2359, 76.5000,
79.8570

■ 64.1261, 73.1678,
41.1408

■ 75.7385, 77.9308,
96.9594

■ 62.1642, 72.3539,
32.1266

■ 77.6566, 78.7279,
105.7108

■ 60.5404, 71.6754,
24.8870

■ 77.9162, 78.8617,
105.7230

■ 59.2327, 71.1234,
19.3049

■ 78.1771, 78.9962,
105.7352

■ 58.2159, 70.6880,
15.2490

■ 78.4392, 79.1313,
105.7474

■ 57.4615, 70.3576,
12.5681

■ 78.7025, 79.2671,
105.7598

■ 56.9348, 70.1185,
11.0802

■ 78.9670, 79.4035,
105.7721

■ 56.6425, 69.9798,
10.5221

■ 79.2328, 79.5405,
105.7846

Harmonies

Analogous

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



72.6430, 75.2304, 64.0877



69.1419, 75.2304, 64.9096



66.3623, 75.2304, 70.0739

Triad

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



69.1419, 75.2304, 64.9096



67.2411, 75.2304, 97.9530



78.4578, 75.2304, 85.2002

Complementary

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



69.1419, 75.2304, 64.9096



58.1109, 58.6743, 80.9395

Split Complementary

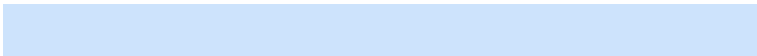
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9051, 75.2304, 95.0160



69.1419, 75.2304, 64.9096



70.3775, 75.2304, 102.7707

Square

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



69.1419, 75.2304, 64.9096



65.2904, 75.2304, 88.9468



73.9198, 75.2304, 101.6535



78.1003, 75.2304, 75.2604

Rectangle

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



69.1419, 75.2304, 64.9096



65.2551, 75.2304, 75.5394



73.9198, 75.2304, 101.6535



78.1401, 75.2304, 88.6356

Sweetspot

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



69.1439, 75.2337, 64.9112



93.3164, 99.2910, 100.4730



62.6286, 61.7340, 62.6489



19.9058, 21.2247, 21.1770



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.



69.1439, 75.2337, 64.9112



88.9888, 97.5174, 79.6078



64.9512, 73.0723, 64.7150



15.5478, 16.7895, 15.3257



33.0545, 40.8217, 6.1372



2.4587, 3.0249, 0.4543

Inverse Universe

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



58.1109, 58.6743, 80.9395



71.7485, 71.6412, 104.6543



62.0029, 60.6807, 81.1217



13.6304, 13.9117, 18.1112



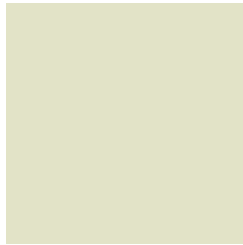
8.1663, 3.2758, 42.5850



0.6204, 0.2508, 3.1477

Previews

White Background



This preview shows how the XYZ color 69.1419, 75.2304, 64.9096 looks on a white background.

Color Contrast Check

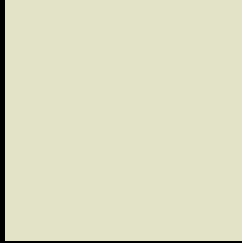
Large Text (above 18pt) WCAG AA × Fail

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 69.1419, 75.2304, 64.9096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

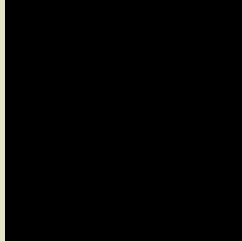
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

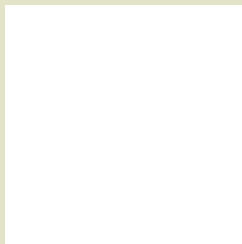
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1419, 75.2304, 64.9096

Background



This preview shows how black text looks on a background with the XYZ color 69.1419, 75.2304, 64.9096.

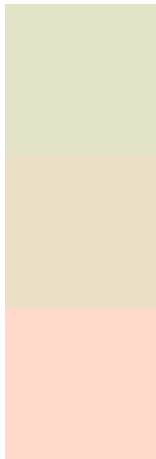


This preview shows how white text looks on a background with the XYZ color 69.1419, 75.2304,

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

69.1419, 75.2304, 64.9096

Protanopia

71.1096, 75.0507, 64.1644

Deuteranopia

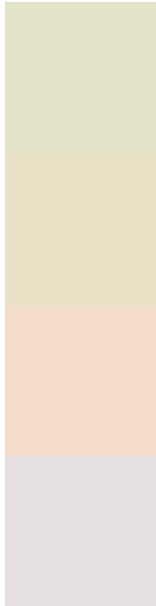
76.5955, 75.1028, 65.7176



Tritanopia

74.7152, 75.1007, 92.2193

Trichromacy



Original Color

69.1419, 75.2304, 64.9096

Protanomaly

70.3970, 75.0834, 64.2083

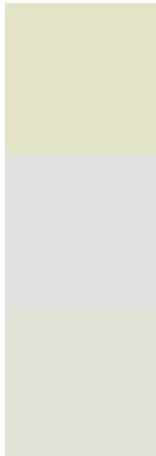
Deuteranomaly

73.5900, 75.1161, 65.2638

Tritanomaly

72.4753, 74.9802, 81.1738

Monochromacy



Original Color

69.1419, 75.2304, 64.9096

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 69.1419, 75.2304, 64.9096 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(226, 227, 199)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 199) }
```

Border

The CSS property to change the border of an element to XYZ 69.1419, 75.2304, 64.9096 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(226, 227, 199) }
```


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

```
.border{ border-color:rgb(226, 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(226, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 199);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1419, 75.2304, 64.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 199) }
```

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

```
.background{ background-color: rgb(226,  
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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