

Converting Colors

XYZ(71.2989, 76.0725, 76.0831)

Have a look what the booklet for
XYZ(71.2989, 76.0725, 76.0831)
contains.

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Color

**XYZ(71.2278, 76.0648,
75.8936)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E3D8
RGB	226, 227, 216
RGB Percent	89%, 89%, 85%
CMY	0.1137, 0.1098, 0.1529
CMYK	0.00, 0.00, 0.05, 0.11
HSL	65°, 16%, 87%
HSV	65°, 5%, 89%
XYZ	71.2278, 76.0648, 75.8936
YIQ	225.4470, 2.9350, -3.6330

Conversions

Conversions Part 2

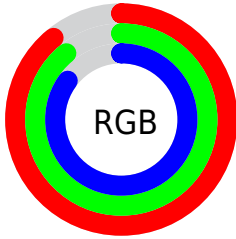
Format	Color
R_{YB}	216, 227, 217
Decimal	14869464
CIE _{Lab}	89.89, -2.26, 5.24
CIE _{LCh}	90, 5.707, 113.349
Yxy	76.0648, 0.3191, 0.3408
Android (android.graphics.Color)	4293059544 (0xFFE2E3D8)
YUV	225.4470, -4.6574, 0.4850
Hunter-Lab	87.2151, -6.8472, 9.4571

Details

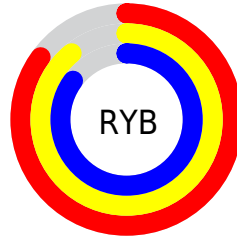
The XYZ color **71.2278, 76.0648, 75.8936** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0392, 69.4115, 82.5414**, and the grayscale version is **71.9225, 75.6681, 82.4026**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9801, 40.7362, 39.5793** is the 20% darker color. If you saturate the color by 10%, you get **67.8485, 74.6410, 61.4595**, and if you desaturate by 10%, it is **75.0246, 77.6615, 92.4668**.

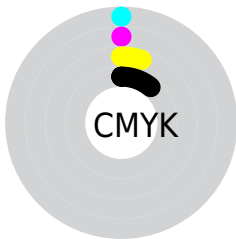
Distribution



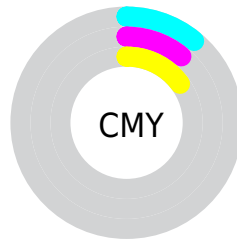
- Red (89%)
- Green (89%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2278, 76.0648, 75.8936 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 71.2278, 76.0648, 75.8936 by changing the saturation by 10% instead.

■ 71.2278, 76.0648,
75.8936

■ 71.2278, 76.0648,
75.8936

454.0488,
481.5695, 500.3205

■ 52.8113, 56.4856,
55.8391

119.9748,
127.8185, 129.3352

■ 37.8790, 40.5924,
39.6708

151.0360,
160.7618, 163.5594

■ 26.0656, 28.0008,
26.9702

187.0428,
198.9287, 203.3440

■ 17.0057, 18.3262,
17.3186

228.3607,
242.7034, 249.1074

■ 10.3339, 11.1845,
10.2975

275.3548,
292.4705, 301.2682

■ 5.6848, 6.1910,
5.4885

328.3907,

■ 2.6932, 2.9616,

348.6143, 360.2450

2.4729

387.8335,
411.5191, 426.4562

■ 0.9937, 1.1117,
0.8258

■ 0.0000, 0.0000,
0.0000

■ 71.2278, 76.0648,
75.8936

■ 71.2278, 76.0648,
75.8936

■ 67.8485, 74.6410,
61.4595

■ 75.0246, 77.6615,
92.4668

■ 64.8640, 73.3734,
49.0725


■ 78.2001, 79.0081,
105.7362


■ 62.2586, 72.2585,
38.6414

■ 78.8695, 79.3532,
105.7676

■ 60.0133, 71.2885,
30.0659


■ 79.5468, 79.7023,
105.7993


 58.1073, 70.4551,
23.2371


 80.2321, 80.0556,
105.8313


 56.5178, 69.7492,
18.0345


 80.9253, 80.4130,
105.8638

 55.2190, 69.1604,
14.3226

 81.6266, 80.7745,
105.8966

 54.1810, 68.6769,
11.9439

 82.3359, 81.1402,
105.9298

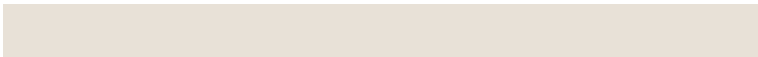
 53.3671, 68.2839,
10.7055

 83.0533, 81.5100,
105.9634

Harmonies

Analogous

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



72.6119, 76.0648, 75.3442



71.2278, 76.0648, 75.8936



70.1433, 76.0648, 78.2713

Triad

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



71.2278, 76.0648, 75.8936



70.6905, 76.0648, 89.2104



75.0246, 76.0648, 83.7244

Complementary

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



71.2278, 76.0648, 75.8936



67.0392, 69.4115, 82.5414

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.



74.4950, 76.0648, 87.5450



71.2278, 76.0648, 75.8936



71.9837, 76.0648, 90.7781

Square

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



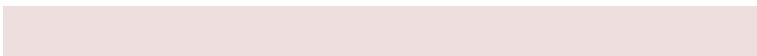
71.2278, 76.0648, 75.8936



69.8359, 76.0648, 85.9382



73.3775, 76.0648, 90.1590



74.8158, 76.0648, 79.7814

Rectangle

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



71.2278, 76.0648, 75.8936



69.7301, 76.0648, 80.6160



73.3775, 76.0648, 90.1590



74.9268, 76.0648, 85.0671

Sweetspot

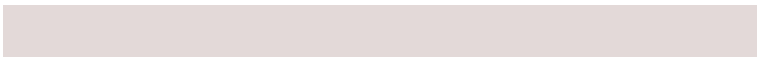
The Sweet Spot groups the original color and five complimentary colors.



71.2299, 76.0681, 75.8952



94.5565, 99.7927, 106.7480



68.8671, 70.8735, 75.0171



20.2442, 21.3619, 22.8712



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.



71.2299, 76.0681, 75.8952



92.1718, 98.7896, 96.4149



69.5585, 75.2065, 75.8170



15.6829, 16.8387, 16.2557



30.9632, 39.7436, 6.0393



2.3262, 2.9566, 0.4481

Inverse Universe

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



67.0392, 69.4115, 82.5414



85.4303, 88.0814, 107.1065



68.6754, 70.2550, 82.6180



14.4261, 14.8424, 18.2489



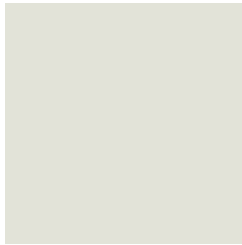
8.3049, 3.3472, 42.5915



0.6558, 0.2690, 3.1493

Previews

White Background



This preview shows how the XYZ color 71.2278, 76.0648, 75.8936 looks on a white background.

Color Contrast Check

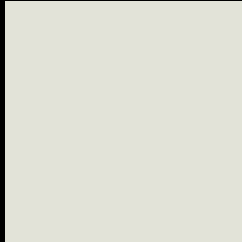
Large Text (above 18pt) WCAG AA × Fail

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 71.2278, 76.0648, 75.8936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

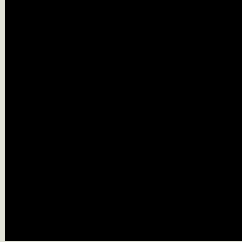
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

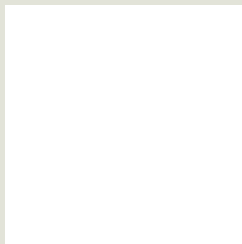
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2278, 76.0648, 75.8936

Background



This preview shows how black text looks on a background with the XYZ color 71.2278, 76.0648, 75.8936.



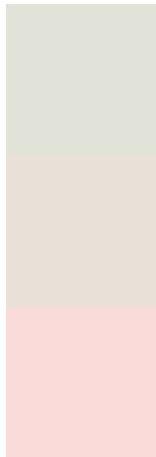
This preview shows how white text looks on a background with the XYZ color 71.2278, 76.0648,

75.8936.

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

71.2278, 76.0648, 75.8936

Protanopia

72.7952, 76.0804, 75.1382

Deuteranopia

77.5100, 75.7140, 76.8587



Tritanopia

74.8980, 75.9492, 93.9312

Trichromacy



Original Color

71.2278, 76.0648, 75.8936

Protanomaly

72.0952, 76.1220, 75.1832

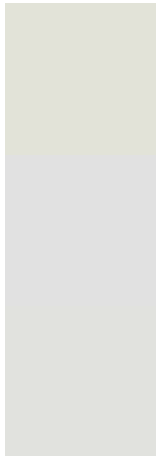
Deuteranomaly

74.9988, 75.5999, 76.2850

Tritanomaly

73.5342, 75.7955, 87.0983

Monochromacy



Original Color

71.2278, 76.0648, 75.8936

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.4325, 75.6742, 79.9489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2278, 76.0648, 75.8936 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, 216) looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 216) }
```

Border

The CSS property to change the border of an element to XYZ 71.2278, 76.0648, 75.8936 is called "border". The border property can be set on classes, ids or directly on the HTML element.

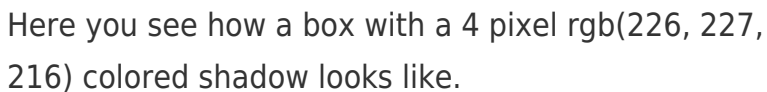
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 227, 216) }
```


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

```
.border{ border-color:rgb(226, 227, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2278, 76.0648, 75.8936 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, 216) }
```

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

```
.background{ background-color: rgb(226,  
227, 216) }
```

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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