

Converting Colors

XYZ(71.5305, 76.5878, 80.0255)

Have a look what the booklet for
XYZ(71.5305, 76.5878, 80.0255)
contains.

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Color

**XYZ(71.6687, 76.6080,
80.1167)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E4DE
RGB	224, 228, 222
RGB Percent	88%, 89%, 87%
CMY	0.1216, 0.1059, 0.1294
CMYK	0.02, 0.00, 0.03, 0.11
HSL	100°, 10%, 88%
HSV	100°, 3%, 89%
XYZ	71.6687, 76.6080, 80.1167
YIQ	226.1200, -0.4580, -2.7140

Conversions

Conversions Part 2

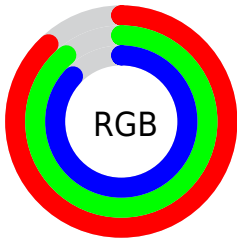
Format	Color
R _Y B	222, 228, 226
Decimal	14738654
CIE Lab	90.14, -2.41, 2.44
CIE LCh	90, 3.432, 134.616
Yxy	76.6080, 0.3138, 0.3354
Android (android.graphics.Color)	4292928734 (0xFFE0E4DE)
YUV	226.1200, -2.0312, -1.8592
Hunter-Lab	87.5260, -7.0098, 6.9972

Details

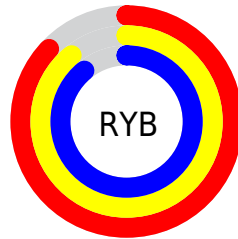
The XYZ color **71.6687, 76.6080, 80.1167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4918, 74.0148, 83.9209**, and the grayscale version is **72.3918, 76.1618, 82.9402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2808, 41.1122, 42.4770** is the 20% darker color. If you saturate the color by 10%, you get **64.3139, 73.1482, 64.8846**, and if you desaturate by 10%, it is **79.8626, 80.4570, 97.5485**.

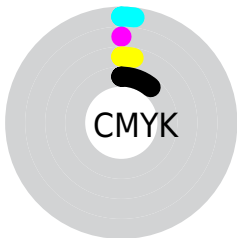
Distribution



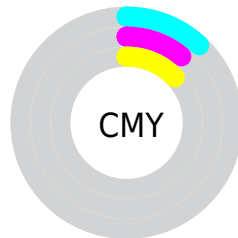
- Red (88%)
- Green (89%)
- Blue (87%)



- Red (87%)
- Yellow (89%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6687, 76.6080, 80.1167 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 71.6687, 76.6080, 80.1167 by changing the saturation by 10% instead.

■ 71.6687, 76.6080,
80.1167

■ 71.6687, 76.6080,
80.1167

455.5632,
483.4265, 515.0432

■ 53.1726, 56.9312,
59.2877

120.5987,
128.5860, 135.3427

■ 38.1686, 40.9500,
42.4232

151.7634,
161.6560, 170.5767

■ 26.2914, 28.2800,
29.1048

187.8816,
199.9591, 211.4494

■ 17.1756, 18.5369,
18.9138

229.3187,
243.8799, 258.3795

■ 10.4558, 11.3361,
11.4318

276.4400,
293.8026, 311.7853

■ 5.7668, 6.2934,
6.2403

329.6110,

■ 2.7431, 3.0243,

350.1116, 372.0855

2.9206

389.1969,
413.1915, 439.6986

■ 1.0194, 1.1444,
1.0542

■ 0.0000, 0.0156,
0.0000

■ 71.6687, 76.6080,
80.1167

■ 71.6687, 76.6080,
80.1167

■ 64.3139, 73.1482,
64.8846

■ 79.8626, 80.4570,
97.5485

■ 57.7643, 70.0555,
51.7599

■ 86.8189, 83.8584,
106.2182

■ 51.9931, 67.3202,
40.6512

■ 87.0349, 83.9697,
106.2283

■ 46.9692, 64.9286,
31.4585

■ 42.6598, 62.8660,
24.0730

■ 39.0290, 61.1166,
18.3754

■ 36.0375, 59.6631,
14.2316

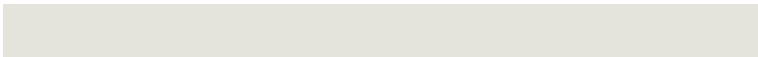
■ 33.6414, 58.4860,
11.4876

■ 31.7893, 57.5632,
9.9574

Harmonies

Analogous

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



72.4009, 76.6080, 78.9537



71.6687, 76.6080, 80.1167



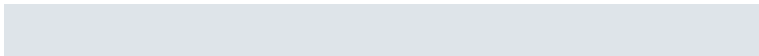
71.2450, 76.6080, 82.1742

Triad

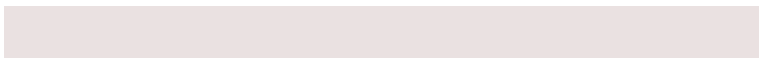
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6687, 76.6080, 80.1167



72.3797, 76.6080, 88.0204



74.4108, 76.6080, 82.2344

Complementary

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



71.6687, 76.6080, 80.1167



71.4918, 74.0148, 83.9209

Split Complementary

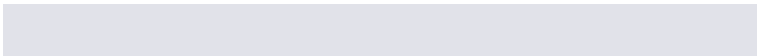
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.4051, 76.6080, 84.6644



71.6687, 76.6080, 80.1167



73.2279, 76.6080, 88.0373

Square

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



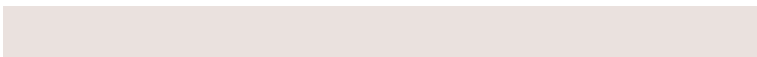
71.6687, 76.6080, 80.1167



71.6533, 76.6080, 86.7530



73.9706, 76.6080, 86.7987



73.9864, 76.6080, 80.1601

Rectangle

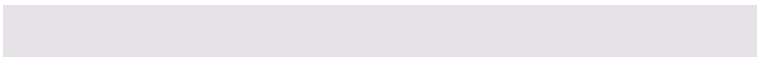
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



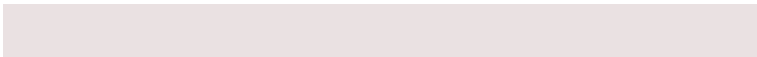
71.6687, 76.6080, 80.1167



71.1924, 76.6080, 83.7913



73.9706, 76.6080, 86.7987



74.4593, 76.6080, 83.0360

Sweetspot

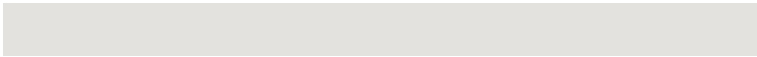
The Sweet Spot groups the original color and five complimentary colors.



71.6709, 76.6113, 80.1184



94.0192, 99.5157, 106.7229



72.3791, 76.1638, 79.9947



20.1349, 21.3056, 22.8660



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.



71.6709, 76.6113, 80.1184



91.9905, 98.5622, 102.4551



71.1891, 76.3474, 80.7981



15.5680, 16.7582, 17.2117



17.8512, 32.9841, 5.4257



1.4148, 2.4867, 0.4054

Inverse Universe

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



71.4918, 74.0148, 83.9209



91.7266, 94.7357, 108.0590



71.9841, 74.2846, 83.2208



15.5119, 15.9439, 18.4042



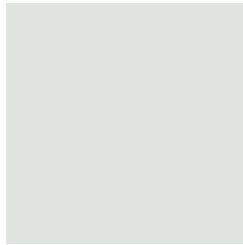
15.6992, 7.1591, 42.9376



1.2576, 0.5793, 3.1775

Previews

White Background



This preview shows how the XYZ color 71.6687, 76.6080, 80.1167 looks on a white background.

Color Contrast Check

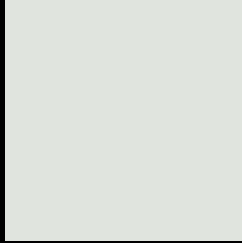
Large Text (above 18pt) WCAG AA × Fail

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 71.6687, 76.6080, 80.1167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

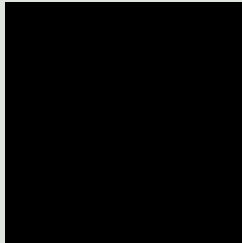
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

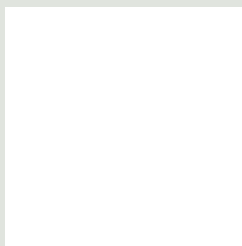
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6687, 76.6080, 80.1167

Background



This preview shows how black text looks on a background with the XYZ color 71.6687, 76.6080, 80.1167.

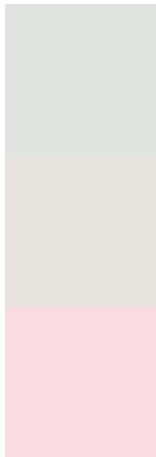


This preview shows how white text looks on a background with the XYZ color 71.6687, 76.6080,

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

71.6687, 76.6080, 80.1167

Protanopia

73.5262, 76.7690, 79.3493

Deuteranopia

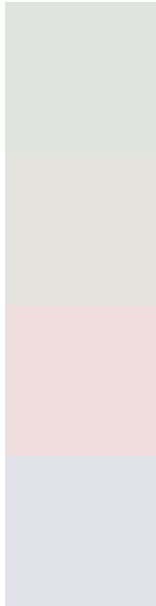
77.8530, 76.1846, 81.1228



Tritanopia

74.7814, 76.6524, 95.6480

Trichromacy



Original Color

71.6687, 76.6080, 80.1167

Protanomaly

72.8333, 76.8166, 79.3950

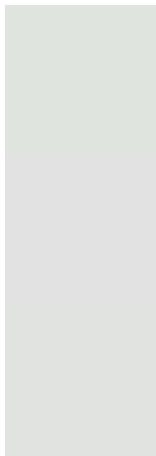
Deuteranomaly

75.3757, 76.0955, 80.5272

Tritanomaly

73.5558, 76.5596, 89.4979

Monochromacy



Original Color

71.6687, 76.6080, 80.1167

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.1110, 76.3820, 82.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6687, 76.6080, 80.1167 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, 228, 222) looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 222)  
}
```

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, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 222) }
```

Border

The CSS property to change the border of an element to XYZ 71.6687, 76.6080, 80.1167 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, 228, 222) }
```


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

```
.border{ border-color:rgb(224, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6687, 76.6080, 80.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 222) }
```

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

```
.background{ background-color: rgb(224,  
228, 222) }
```

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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