

Converting Colors

XYZ(71.3321, 77.1449, 90.7320)

Have a look what the booklet for
XYZ(71.3321, 77.1449, 90.7320)
contains.

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Color

**XYZ(71.1687, 76.9459,
90.4579)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E6EC
RGB	214, 230, 236
RGB Percent	84%, 90%, 93%
CMY	0.1608, 0.0980, 0.0745
CMYK	0.09, 0.03, 0.00, 0.07
HSL	196°, 37%, 88%
HSV	196°, 9%, 93%
XYZ	71.1687, 76.9459, 90.4579
YIQ	225.9000, -11.4620, -1.5260

Conversions

Conversions Part 2

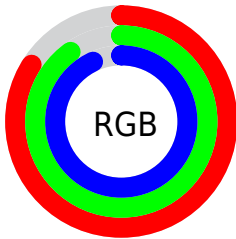
Format	Color
RYB	214, 223, 236
Decimal	14083820
CIELab	90.30, -4.14, -4.74
CIELCh	90, 6.299, 228.873
Yxy	76.9459, 0.2983, 0.3225
Android (android.graphics.Color)	4292273900 (0xFFD6E6EC)
YUV	225.9000, 4.9793, -10.4363
Hunter-Lab	87.7188, -8.6859, 0.2618

Details

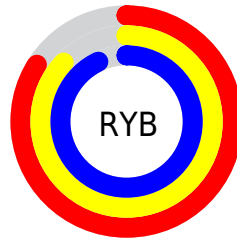
The XYZ color **71.1687, 76.9459, 90.4579** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3232, 73.8739, 74.0669**, and the grayscale version is **72.1894, 75.9489, 82.7084**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8663, 41.3262, 49.1610** is the 20% darker color. If you saturate the color by 10%, you get **63.0171, 70.1369, 89.5745**, and if you desaturate by 10%, it is **80.3887, 84.4079, 91.4135**.

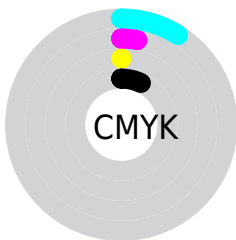
Distribution



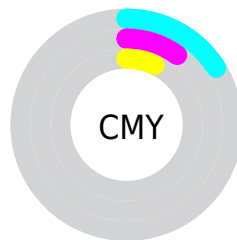
- Red (84%)
- Green (90%)
- Blue (93%)



- Red (84%)
- Yellow (87%)
- Blue (93%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1687, 76.9459, 90.4579 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 71.1687, 76.9459, 90.4579 by changing the saturation by 10% instead.

■ 71.1687, 76.9459,
90.4579

■ 71.1687, 76.9459,
90.4579

453.8456,
484.5796, 550.1277

■ 52.7629, 57.2085,
67.7846

119.8911,
129.0631, 149.9153

■ 37.8403, 41.1726,
49.2570

150.9384,
162.2117, 187.5366

■ 26.0354, 28.4540,
34.4563

186.9303,
200.5994, 230.9776

■ 16.9829, 18.6682,
22.9642

228.2321,
244.6107, 280.6569

■ 10.3175, 11.4308,
14.3620

275.2092,
294.6300, 336.9930

■ 5.6739, 6.3574,
8.2313

328.2269,

■ 2.6866, 3.0636,

351.0416, 400.4045

4.1534

387.6506,
414.2300, 471.3099

■ 0.9903, 1.1650,
1.7099

■ 0.0000, 0.0328,
0.3675

■ 71.1687, 76.9459,
90.4579

■ 71.1687, 76.9459,
90.4579

■ 63.0171, 70.1369,
89.5745

■ 80.3887, 84.4079,
91.4135

■ 55.8839, 63.9479,
88.7558

■ 88.3924, 91.3399,
92.3296

■ 49.7247, 58.3569,
88.0013

■ 90.3500, 95.2552,
92.9822

■ 44.4892, 53.3371,
87.3083

■ 92.1405, 98.8362,
93.5790

■ 40.1224, 48.8589,
86.6741

■ 36.5631, 44.8896,
86.0955

■ 33.7416, 41.3922,
85.5692

■ 31.5752, 38.3229,
85.0909

■ 29.9342, 35.6138,
84.6545

Harmonies

Analogous

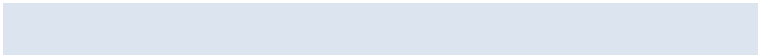
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3176, 76.9459, 86.6064



71.1687, 76.9459, 90.4579



72.5542, 76.9459, 92.5462

Triad

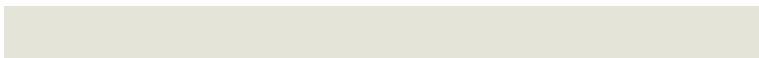
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1687, 76.9459, 90.4579



76.1345, 76.9459, 85.4593



72.1634, 76.9459, 75.8698

Complementary

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



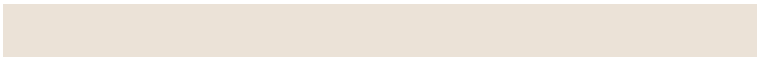
71.1687, 76.9459, 90.4579



72.3232, 73.8739, 74.0669

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.



73.7184, 76.9459, 75.5875



71.1687, 76.9459, 90.4579



76.0262, 76.9459, 81.0177

Square

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



71.1687, 76.9459, 90.4579



75.4304, 76.9459, 89.5923



75.1367, 76.9459, 77.4410



70.8862, 76.9459, 78.2266

Rectangle

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



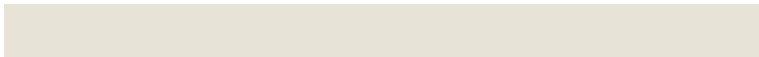
71.1687, 76.9459, 90.4579



73.6010, 76.9459, 92.6093



75.1367, 76.9459, 77.4410



72.6705, 76.9459, 75.5324

Sweetspot

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



71.1709, 76.9491, 90.4596



91.6297, 97.2546, 108.5504



70.6289, 79.4486, 79.2315



19.4212, 20.6620, 23.2145



0.0000, 0.0000, 0.0000



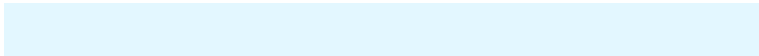
20.3446, 21.4041, 23.3091

Same Dimension

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



71.1709, 76.9491, 90.4596



83.0820, 90.2813, 107.6549



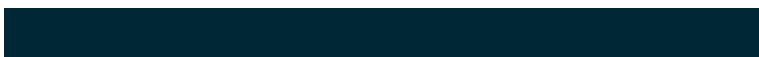
68.2395, 71.0863, 89.4825



15.1503, 16.3871, 19.2868



16.5564, 19.7598, 46.6844



1.3793, 1.7101, 3.6923

Inverse Universe

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



72.9233, 71.6407, 84.8512



85.5387, 82.9081, 99.7772



75.2695, 79.7664, 75.0490



15.5294, 15.2396, 18.0733



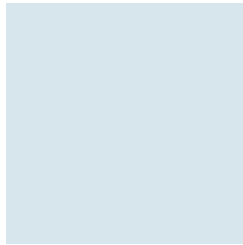
23.2122, 11.4876, 22.7166



1.8627, 0.9181, 1.9945

Previews

White Background



This preview shows how the XYZ color 71.1687, 76.9459, 90.4579 looks on a white background.

Color Contrast Check

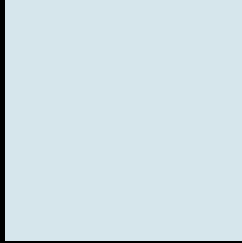
Large Text (above 18pt) WCAG AA × Fail

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 71.1687, 76.9459, 90.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

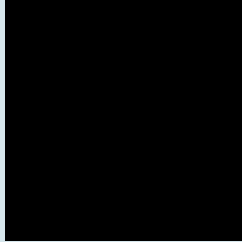
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

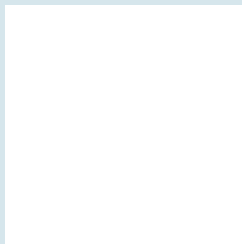
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.1687, 76.9459, 90.4579

Background



This preview shows how black text looks on a background with the XYZ color 71.1687, 76.9459, 90.4579.

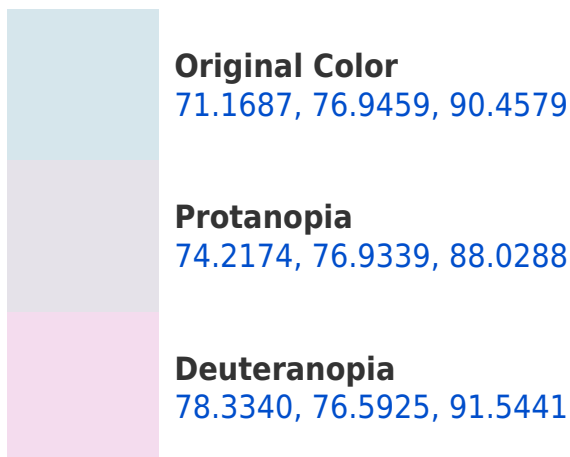


This preview shows how white text looks on a background with the XYZ color 71.1687, 76.9459,

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

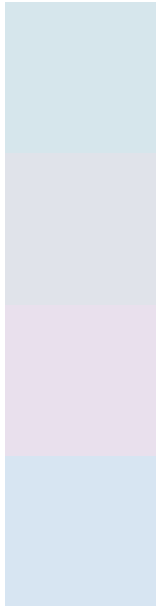




Tritanopia

72.6969, 76.7396, 98.1695

Trichromacy



Original Color

71.1687, 76.9459, 90.4579

Protanomaly

73.0608, 76.7260, 88.8008

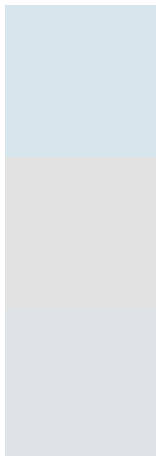
Deuteranomaly

75.5460, 76.7494, 90.9532

Tritanomaly

72.0707, 76.8965, 95.0484

Monochromacy



Original Color

71.1687, 76.9459, 90.4579

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.8762, 76.1809, 85.7790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1687, 76.9459, 90.4579 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(214, 230, 236) looks like.

```
.text, #text, p{  
    color:rgb(214, 230, 236)  
}
```

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(214, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 230, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.1687, 76.9459, 90.4579 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(214, 230, 236) }
```


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

```
.border{ border-color:rgb(214, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 230,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1687, 76.9459, 90.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 230, 236) }
```

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

```
.background{ background-color: rgb(214,  
230, 236) }
```

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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