

Converting Colors

XYZ(71.7159, 77.0011, 90.7113)

Have a look what the booklet for
XYZ(71.7159, 77.0011, 90.7113)
contains.

XYZ(71.4785, 76.6937, 90.3929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.4785, 76.6937,
90.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E5EC
RGB	216, 229, 236
RGB Percent	85%, 90%, 93%
CMY	0.1529, 0.1019, 0.0745
CMYK	0.08, 0.03, 0.00, 0.07
HSL	201°, 34%, 89%
HSV	201°, 8%, 93%
XYZ	71.4785, 76.6937, 90.3929
YIQ	225.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

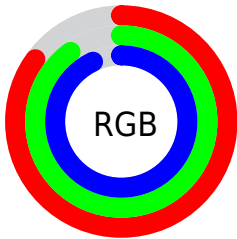
Format	Color
R_{YB}	216, 224, 236
Decimal	14214636
CIE _{Lab}	90.18, -2.98, -4.90
CIE _{LCh}	90, 5.737, 238.659
Yxy	76.6937, 0.2996, 0.3215
Android (android.graphics.Color)	4292404716 (0xFFD8E5EC)
YUV	225.9110, 4.9739, -8.6919
Hunter-Lab	87.5749, -7.5648, 0.1046

Details

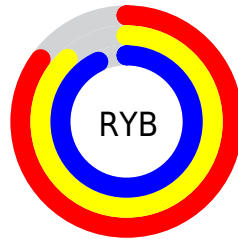
The XYZ color **71.4785, 76.6937, 90.3929** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3746, 75.5654, 75.6852**, and the grayscale version is **72.1967, 75.9565, 82.7166**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0722, 41.1445, 49.1151** is the 20% darker color. If you saturate the color by 10%, you get **62.7710, 68.8959, 89.3479**, and if you desaturate by 10%, it is **81.3005, 85.2315, 91.5244**.

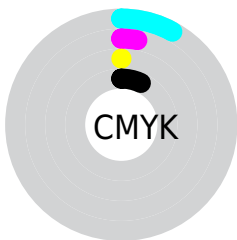
Distribution



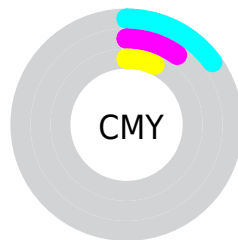
- Red (85%)
- Green (90%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4785, 76.6937, 90.3929 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 71.4785, 76.6937, 90.3929 by changing the saturation by 10% instead.

■ 71.4785, 76.6937,
90.3929

■ 71.4785, 76.6937,
90.3929

454.9103,
483.7191, 549.9112

■ 53.0167, 57.0015,
67.7310

120.3296,
128.7070, 149.8243

■ 38.0436, 41.0065,
49.2136

151.4497,
161.7969, 187.4309

■ 26.1939, 28.3241,
34.4222

187.5199,
200.1216, 230.8562

■ 17.1022, 18.5701,
22.9381

228.9055,
244.0653, 280.5186

■ 10.4032, 11.3601,
14.3430

275.9721,
294.0125, 336.8368

■ 5.7314, 6.3096,
8.2181

329.0848,

■ 2.7215, 3.0342,

350.3476, 400.2293

4.1451

388.6091,
413.4550, 471.1145

■ 1.0083, 1.1496,
1.7053

■ 0.0000, 0.0200,
0.3643

■ 71.4785, 76.6937,
90.3929

■ 71.4785, 76.6937,
90.3929

■ 62.7710, 68.8959,
89.3479

■ 81.3005, 85.2315,
91.5244

■ 55.1273, 61.8035,
88.3818

■ 89.1895, 92.9342,
92.5953

■ 48.5026, 55.3932,
87.4936

■ 91.7502, 98.0555,
93.4489

■ 42.8461, 49.6365,
86.6806

■ 92.1405, 98.8362,
93.5790

■ 38.1025, 44.5026,
85.9397

■ 34.2101, 39.9572,
85.2675

■ 31.0993, 35.9619,
84.6603

■ 28.6878, 32.4718,
84.1137

■ 26.8576, 29.4235,
83.6218

Harmonies

Analogous

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



70.5159, 76.6937, 87.3286



71.4785, 76.6937, 90.3929



72.8309, 76.6937, 91.6037

Triad

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



71.4785, 76.6937, 90.3929



75.6701, 76.6937, 83.6902



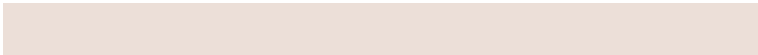
71.5882, 76.6937, 76.8050

Complementary

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



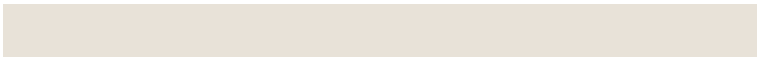
71.4785, 76.6937, 90.3929



73.3746, 75.5654, 75.6852

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.



72.9592, 76.6937, 75.9009



71.4785, 76.6937, 90.3929



75.3271, 76.6937, 79.7974

Square

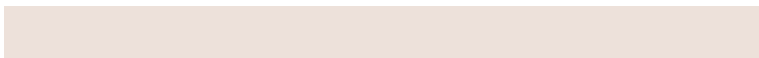
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4785, 76.6937, 90.3929



75.2616, 76.6937, 87.6568



74.3302, 76.6937, 76.9789



70.5787, 76.6937, 79.4891

Rectangle

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



71.4785, 76.6937, 90.3929



73.7756, 76.6937, 91.1677



74.3302, 76.6937, 76.9789



72.0215, 76.6937, 76.2868

Sweetspot

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



71.4807, 76.6969, 90.3946



91.4435, 96.8823, 108.4883



71.5899, 79.9008, 81.2270



19.3708, 20.5614, 23.1977



0.0000, 0.0000, 0.0000



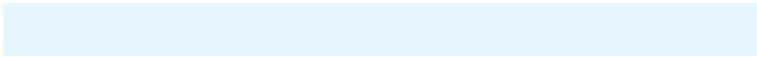
20.3446, 21.4041, 23.3091

Same Dimension

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



71.4807, 76.6969, 90.3946



83.5029, 89.9204, 107.5630



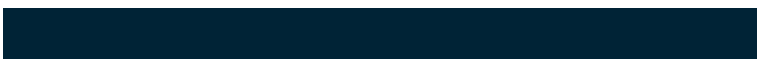
68.8790, 71.4934, 89.5273



15.0485, 16.1835, 19.2528



14.7906, 16.2282, 46.0958



1.2510, 1.4535, 3.6495

Inverse Universe

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



73.2925, 72.6032, 84.2835



86.0446, 84.2344, 98.9767



76.0325, 80.8812, 76.5712



15.4780, 15.2191, 17.8027



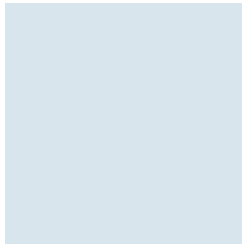
22.3209, 11.1311, 18.0231



1.7979, 0.8921, 1.6534

Previews

White Background



This preview shows how the XYZ color 71.4785, 76.6937, 90.3929 looks on a white background.

Color Contrast Check

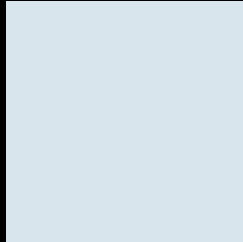
Large Text (above 18pt) WCAG AA × Fail

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 71.4785, 76.6937, 90.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

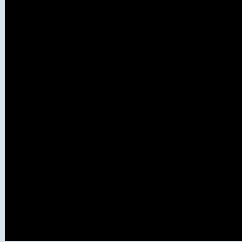
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

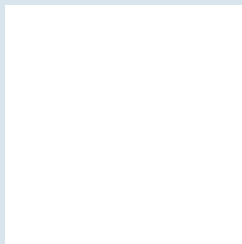
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4785, 76.6937, 90.3929

Background



This preview shows how black text looks on a background with the XYZ color 71.4785, 76.6937, 90.3929.

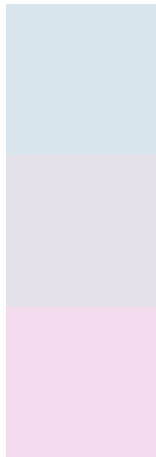


This preview shows how white text looks on a background with the XYZ color 71.4785, 76.6937,

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

71.4785, 76.6937, 90.3929

Protanopia

74.0896, 76.4490, 88.6931

Deuteranopia

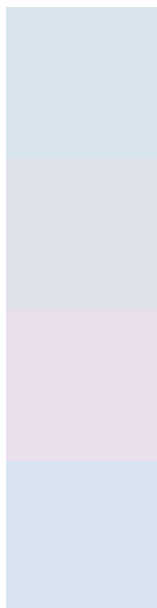
78.3340, 76.5925, 91.5441



Tritanopia

73.2914, 77.0461, 98.1973

Trichromacy



Original Color

71.4785, 76.6937, 90.3929

Protanomaly

72.9322, 76.2382, 89.4688

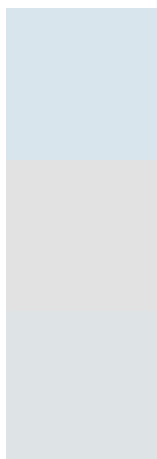
Deuteranomaly

75.6054, 76.3822, 90.8792

Tritanomaly

72.3857, 76.6493, 94.9841

Monochromacy



Original Color

71.4785, 76.6937, 90.3929

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 71.4785, 76.6937, 90.3929 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(216, 229, 236) looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 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(216, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.4785, 76.6937, 90.3929 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(216, 229, 236) }
```


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

```
.border{ border-color:rgb(216, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4785, 76.6937, 90.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 236) }
```

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

```
.background{ background-color: rgb(216,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor