

Converting Colors

XYZ(71.3275, 77.1416, 85.2520)

Have a look what the booklet for
XYZ(71.3275, 77.1416, 85.2520)
contains.

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Color

**XYZ(71.3531, 77.1562,
85.2607)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE6E5
RGB	218, 230, 229
RGB Percent	85%, 90%, 90%
CMY	0.1451, 0.0980, 0.1020
CMYK	0.05, 0.00, 0.00, 0.10
HSL	175°, 19%, 88%
HSV	175°, 5%, 90%
XYZ	71.3531, 77.1562, 85.2607
YIQ	226.2980, -6.8310, -2.8550

Conversions

Conversions Part 2

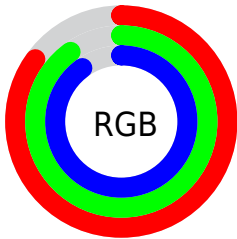
Format	Color
R _Y B	218, 224, 230
Decimal	14345957
CIE Lab	90.39, -4.17, -0.91
CIE LCh	90, 4.266, 192.261
Yxy	77.1562, 0.3052, 0.3301
Android (android.graphics.Color)	4292536037 (0xFFDAE6E5)
YUV	226.2980, 1.3321, -7.2773
Hunter-Lab	87.8386, -8.7183, 3.9371

Details

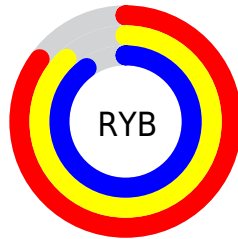
The XYZ color **71.3531, 77.1562, 85.2607** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.4935, 72.0823, 77.2193**, and the grayscale version is **72.5004, 76.2760, 83.0646**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0742, 41.5025, 46.0485** is the 20% darker color. If you saturate the color by 10%, you get **64.6802, 73.7492, 83.5559**, and if you desaturate by 10%, it is **78.9878, 81.0630, 87.0292**.

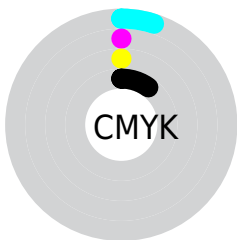
Distribution



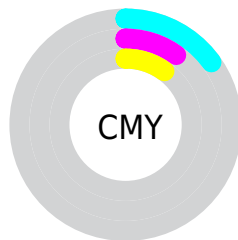
- Red (85%)
- Green (90%)
- Blue (90%)



- Red (85%)
- Yellow (88%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3531, 77.1562, 85.2607 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 71.3531, 77.1562, 85.2607 by changing the saturation by 10% instead.

■ 71.3531, 77.1562,
85.2607

■ 71.3531, 77.1562,
85.2607

454.4795,
485.2964, 532.6574

■ 52.9140, 57.3811,
63.5054

120.1521,
129.3600, 142.6148

■ 37.9613, 41.3113,
45.8066

151.2428,
162.5574, 179.0506

■ 26.1297, 28.5624,
31.7457

187.2813,
200.9977, 221.2171

■ 17.0539, 18.7500,
20.9041

228.6330,
245.0653, 269.5327

■ 10.3685, 11.4898,
12.8634

275.6634,
295.1446, 324.4160

■ 5.7081, 6.3973,
7.2049

328.7377,

■ 2.7074, 3.0881,

351.6199, 386.2855

3.5102

388.2212,
414.8757, 455.5598

■ 1.0010, 1.1779,
1.3607

■ 0.0000, 0.0436,
0.1108

■ 71.3531, 77.1562,
85.2607

■ 71.3531, 77.1562,
85.2607

■ 64.6802, 73.7492,
83.5559

■ 78.9878, 81.0630,
87.0292

■ 58.9235, 70.8120,
81.9080

■ 84.2245, 83.7311,
88.6994

■ 54.0434, 68.3264,
80.3164

■ 84.5006, 83.8415,
90.1531

■ 49.9948, 66.2691,
78.7792

■ 84.7796, 83.9531,
91.6227

46.7288, 64.6149,
77.2939

85.0617, 84.0659,
93.1081

44.1912, 63.3359,
75.8580

85.3468, 84.1800,
94.6094

42.3208, 62.4005,
74.4685

85.6350, 84.2952,
96.1267

41.0466, 61.7721,
73.1221

85.9261, 84.4117,
97.6600

40.2814, 61.4057,
71.8147

86.2203, 84.5294,
99.2093

Harmonies

Analogous

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



71.4028, 77.1562, 82.2370



71.3531, 77.1562, 85.2607



71.8306, 77.1562, 88.0132

Triad

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



71.3531, 77.1562, 85.2607



74.7195, 77.1562, 88.4224



73.9599, 77.1562, 78.5508

Complementary

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



71.3531, 77.1562, 85.2607



70.4935, 72.0823, 77.2193

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.



74.8596, 77.1562, 80.1300



71.3531, 77.1562, 85.2607



75.3010, 77.1562, 85.8083

Square

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



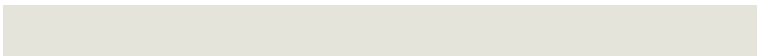
71.3531, 77.1562, 85.2607



73.7701, 77.1562, 89.8680



75.3526, 77.1562, 82.7716



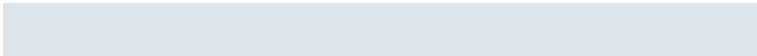
72.9009, 77.1562, 78.4122

Rectangle

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



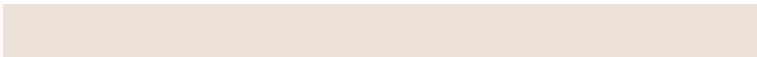
71.3531, 77.1562, 85.2607



72.3863, 77.1562, 89.3045



75.3526, 77.1562, 82.7716



74.2913, 77.1562, 78.9289

Sweetspot

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



71.3553, 77.1595, 85.2624



93.1299, 99.0181, 108.4522



70.2276, 76.7500, 77.4436



19.9537, 21.2042, 23.2180



0.0000, 0.0000, 0.0000



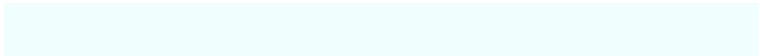
20.3446, 21.4041, 23.3091

Same Dimension

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



71.3553, 77.1595, 85.2624



89.4381, 97.1307, 107.5659



70.1779, 74.5798, 85.5634



15.1735, 16.5295, 18.3338



22.6826, 34.7052, 40.4247



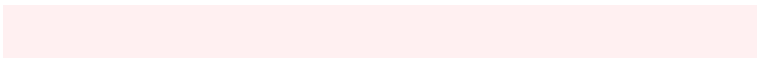
1.6916, 2.5708, 3.0685

Inverse Universe

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



70.4935, 72.0823, 77.2193



88.1859, 89.7533, 95.8790



71.6250, 74.5561, 76.9465



14.9401, 15.1542, 16.1551



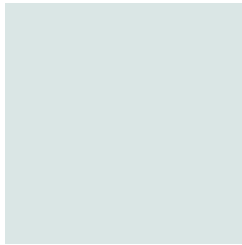
18.5607, 9.5585, 1.3158



1.3886, 0.7132, 0.1869

Previews

White Background



This preview shows how the XYZ color 71.3531, 77.1562, 85.2607 looks on a white background.

Color Contrast Check

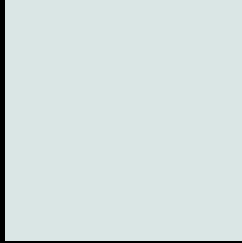
Large Text (above 18pt) WCAG AA × Fail

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 71.3531, 77.1562, 85.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

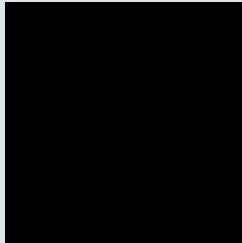
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

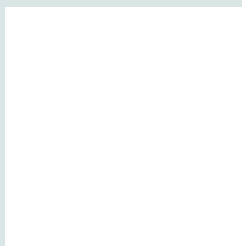
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.3531, 77.1562, 85.2607

Background



This preview shows how black text looks on a background with the XYZ color 71.3531, 77.1562, 85.2607.

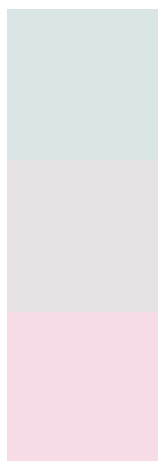


This preview shows how white text looks on a background with the XYZ color 71.3531, 77.1562,

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

71.3531, 77.1562, 85.2607

Protanopia

74.0165, 76.9277, 83.6205

Deuteranopia

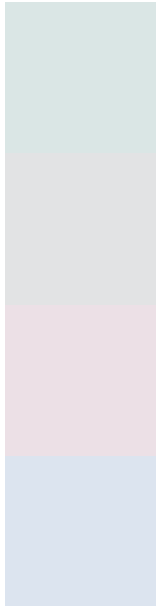
78.3748, 76.7301, 86.2809



Tritanopia

73.7693, 76.9029, 97.3419

Trichromacy



Original Color

71.3531, 77.1562, 85.2607

Protanomaly

72.8367, 76.7084, 84.3661

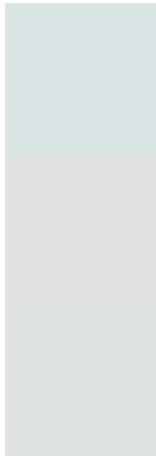
Deuteranomaly

75.5307, 76.8573, 85.7170

Tritanomaly

72.8386, 76.9344, 92.6722

Monochromacy



Original Color

71.3531, 77.1562, 85.2607

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7656, 76.1722, 83.5933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3531, 77.1562, 85.2607 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(218, 230, 229) looks like.

```
.text, #text, p{  
    color:rgb(218, 230, 229)  
}
```

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(218, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 71.3531, 77.1562, 85.2607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

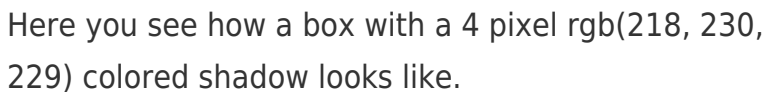
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 230, 229) }
```


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

```
.border{ border-color:rgb(218, 230, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 230, 229); box-shadow:4px 4px 4px 4px rgb(218, 230, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3531, 77.1562, 85.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 230, 229) }
```

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

```
.background{ background-color: rgb(218,  
230, 229) }
```

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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