

Converting Colors

XYZ(72.1852, 77.7721, 76.8526)

Have a look what the booklet for
XYZ(72.1852, 77.7721, 76.8526)
contains.

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Color

**XYZ(72.1852, 77.7721,
76.8526)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E6D9
RGB	226, 230, 217
RGB Percent	89%, 90%, 85%
CMY	0.1137, 0.0980, 0.1490
CMYK	0.02, 0.00, 0.06, 0.10
HSL	78°, 21%, 88%
HSV	78°, 6%, 90%
XYZ	72.1852, 77.7721, 76.8526
YIQ	227.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

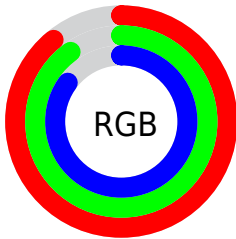
Format	Color
RYB	217, 230, 221
Decimal	14870233
CIELab	90.68, -3.63, 5.85
CIElCh	91, 6.884, 121.782
Yxy	77.7721, 0.3183, 0.3429
Android (android.graphics.Color)	4293060313 (0xFFE2E6D9)
YUV	227.3220, -5.0887, -1.1594
Hunter-Lab	88.1885, -8.2217, 10.0632

Details

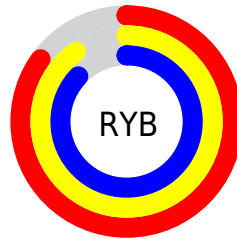
The XYZ color **72.1852, 77.7721, 76.8526** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.9176, 70.7132, 84.8836**, and the grayscale version is **73.2848, 77.1013, 83.9633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6461, 41.9265, 40.2382** is the 20% darker color. If you saturate the color by 10%, you get **67.2250, 75.5392, 62.0770**, and if you desaturate by 10%, it is **77.6585, 80.2258, 93.8319**.

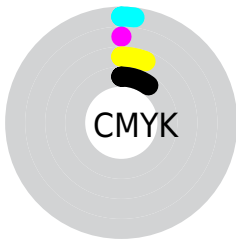
Distribution



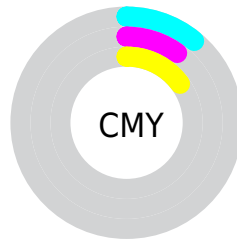
- Red (89%)
- Green (90%)
- Blue (85%)



- Red (85%)
- Yellow (90%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1852, 77.7721, 76.8526 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 72.1852, 77.7721, 76.8526 by changing the saturation by 10% instead.

■ 72.1852, 77.7721,
76.8526

■ 72.1852, 77.7721,
76.8526

457.3336,
487.3925, 503.6856

■ 53.5960, 57.8868,
56.6211

121.3292,
130.2288, 130.7025

■ 38.5081, 41.7176,
40.2938

152.6146,
163.5690, 165.1579

■ 26.5563, 28.8803,
27.4521

188.8629,
202.1629, 205.1918

■ 17.3751, 18.9903,
17.6776

230.4393,
246.3950, 251.2225

■ 10.5993, 11.6632,
10.5518

277.7092,
296.6496, 303.6688

■ 5.8634, 6.5148,
5.6559

331.0380,

■ 2.8020, 3.1606,

353.3111, 362.9490

2.5716

390.7910,
416.7639, 429.4818

■ 1.0500, 1.2161,
0.8778

■ 0.0000, 0.0748,
0.0000

■ 72.1852, 77.7721,
76.8526

■ 72.1852, 77.7721,
76.8526

■ 67.2250, 75.5392,
62.0770

■ 77.6585, 80.2258,
93.8319

■ 62.7532, 73.5097,
49.4097

■ 82.3400, 82.3711,
106.1672

■ 58.7525, 71.6789,
38.7558

■ 84.7939, 83.6361,
106.2820

■ 55.2021, 70.0384,
30.0112

■ 87.3428, 84.9501,
106.4013

■ 52.0791, 68.5790,
23.0623

■ 87.5883, 85.0767,
106.4128

■ 49.3586, 67.2906,
17.7837

■ 47.0125, 66.1617,
14.0338

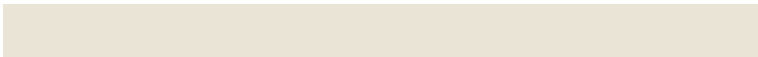
■ 45.0082, 65.1792,
11.6473

■ 43.3059, 64.3270,
10.4210

Harmonies

Analogous

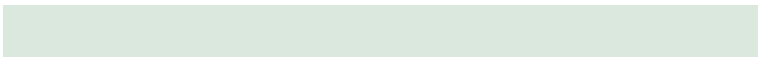
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8168, 77.7721, 75.5282



72.1852, 77.7721, 76.8526



71.0331, 77.7721, 80.2640

Triad

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



72.1852, 77.7721, 76.8526



72.3614, 77.7721, 93.3381



77.2883, 77.7721, 84.3852

Complementary

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



72.1852, 77.7721, 76.8526



68.9176, 70.7132, 84.8836

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.



76.8842, 77.7721, 89.2563



72.1852, 77.7721, 76.8526



74.0234, 77.7721, 94.5441

Square

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



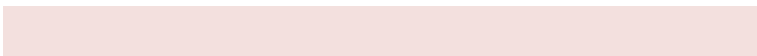
72.1852, 77.7721, 76.8526



71.1337, 77.7721, 89.7878



75.6825, 77.7721, 93.0229



76.7783, 77.7721, 79.7708

Rectangle

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



72.1852, 77.7721, 76.8526



70.6826, 77.7721, 83.3288



75.6825, 77.7721, 93.0229



77.2548, 77.7721, 86.0469

Sweetspot

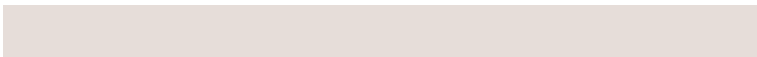
The Sweet Spot groups the original color and five complimentary colors.



72.1874, 77.7755, 76.8543



93.6642, 99.3792, 104.6058



70.9903, 73.4953, 76.0912



20.0626, 21.2778, 22.4349



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.



72.1874, 77.7755, 76.8543



90.3146, 97.8756, 94.3675



70.2180, 76.7602, 76.7621



15.3538, 16.6759, 15.9283



24.2651, 36.2906, 5.7259



1.8870, 2.7302, 0.4275

Inverse Universe

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



68.9176, 70.7132, 84.8836



85.2179, 86.8671, 106.8833



70.9034, 71.7368, 84.9765



14.4227, 14.6648, 18.2148



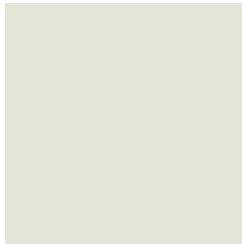
9.6598, 4.0457, 42.6549



0.8062, 0.3466, 3.1564

Previews

White Background



This preview shows how the XYZ color 72.1852, 77.7721, 76.8526 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 72.1852, 77.7721, 76.8526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

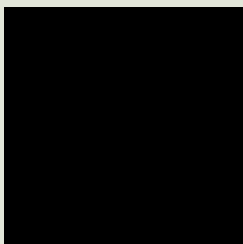
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

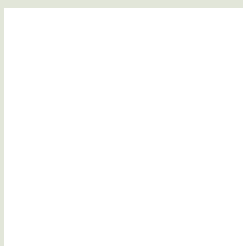
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1852, 77.7721, 76.8526

Background



This preview shows how black text looks on a background with the XYZ color 72.1852, 77.7721, 76.8526.



This preview shows how white text looks on a background with the XYZ color 72.1852, 77.7721,

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

72.1852, 77.7721, 76.8526

Protanopia

73.9958, 77.5066, 75.3503

Deuteranopia

79.2524, 77.3717, 77.7750



Tritanopia

76.1586, 77.7474, 96.5807

Trichromacy



Original Color

72.1852, 77.7721, 76.8526

Protanomaly

73.4168, 77.6005, 76.0747

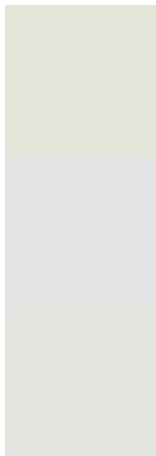
Deuteranomaly

76.6188, 77.6064, 77.2709

Tritanomaly

74.6335, 77.5367, 88.8744

Monochromacy



Original Color

72.1852, 77.7721, 76.8526

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7412, 77.1454, 80.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1852, 77.7721, 76.8526 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, 230, 217) looks like.

```
.text, #text, p{  
    color:rgb(226, 230, 217)  
}
```

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, 230, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 230, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.1852, 77.7721, 76.8526 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, 230, 217) }
```


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

```
.border{ border-color:rgb(226, 230, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 230, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(226, 230,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1852, 77.7721, 76.8526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 230, 217) }
```

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

```
.background{ background-color: rgb(226,  
230, 217) }
```

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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