

Converting Colors

XYZ(77.4543, 81.9540, 72.0139)

Have a look what the booklet for
XYZ(77.4543, 81.9540, 72.0139)
contains.

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Color

**XYZ(77.2655, 81.7585,
72.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E9D1
RGB	242, 233, 209
RGB Percent	95%, 91%, 82%
CMY	0.0510, 0.0863, 0.1804
CMYK	0.00, 0.04, 0.14, 0.05
HSL	44°, 56%, 88%
HSV	44°, 14%, 95%
XYZ	77.2655, 81.7585, 72.0302
YIQ	232.9550, 13.0680, -5.5560

Conversions

Conversions Part 2

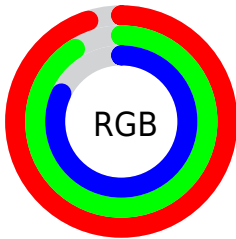
Format	Color
R_{YB}	221, 242, 209
Decimal	15919569
CIE _{Lab}	92.47, -0.89, 12.75
CIE _{LCh}	92, 12.778, 93.999
Yxy	81.7585, 0.3344, 0.3538
Android (android.graphics.Color)	4294109649 (0xFFFF2E9D1)
YUV	232.9550, -11.8098, 7.9325
Hunter-Lab	90.4204, -5.7050, 16.0630

Details

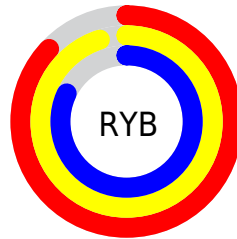
The XYZ color **77.2655, 81.7585, 72.0302** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **67.3927, 70.1076, 93.9853**, and the grayscale version is **77.4993, 81.5353, 88.7919**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8882, 44.2499, 37.3437** is the 20% darker color. If you saturate the color by 10%, you get **72.6621, 76.9874, 56.8196**, and if you desaturate by 10%, it is **82.3983, 86.8585, 89.6646**.

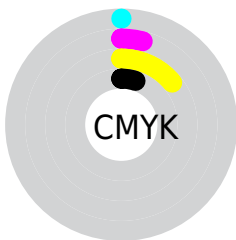
Distribution



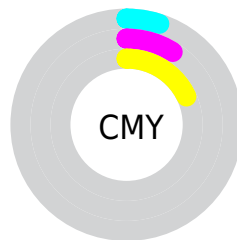
- Red (95%)
- Green (91%)
- Blue (82%)



- Red (87%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2655, 81.7585, 72.0302 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 77.2655, 81.7585, 72.0302 by changing the saturation by 10% instead.

77.2655, 81.7585,
72.0302

77.2655, 81.7585,
72.0302

474.5468,
500.8395, 486.6271

57.7715, 61.1665,
52.6964

128.4850,
135.8353, 123.8076

41.8675, 44.3595,
37.1744

160.9413,
170.0889, 157.0882

29.1882, 30.9533,
25.0457

198.4490,
209.6651, 195.8548

19.3683, 20.5633,
15.8918

241.3735,
254.9483, 240.5260

12.0423, 12.8051,
9.2941

290.0802,
306.3230, 291.5203

6.8449, 7.2945,
4.8341

344.9344,

3.4107, 3.6470,

364.1735, 349.2562

2.0932

406.3015,
428.8842, 414.1523

■ 1.3745, 1.4781,
0.6117

■ 0.2380, 0.2732,
0.0000

■ 77.2655, 81.7585,
72.0302

■ 77.2655, 81.7585,
72.0302

■ 72.6621, 76.9874,
56.8196

■ 82.3983, 86.8585,
89.6646

■ 68.5603, 72.5247,
43.9194

■ 87.6847, 92.1301,
107.7692

■ 64.9395, 68.3637,
33.2152

■ 89.7291, 96.2191,
108.4506

■ 61.7749, 64.4932,
24.5806

■ 90.4283, 97.6174,
108.6837

■ 59.0394, 60.9012,
17.8762

■ 56.7024, 57.5740,
12.9452

■ 54.7287, 54.4963,
9.6064

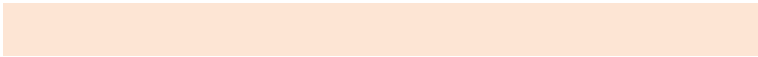
■ 53.0757, 51.6497,
7.6391

■ 52.1505, 49.9418,
6.8911

Harmonies

Analogous

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



80.5359, 81.7585, 73.6067



77.2655, 81.7585, 72.0302



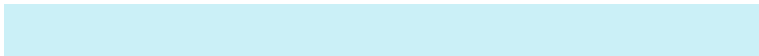
74.2003, 81.7585, 74.7335

Triad

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



77.2655, 81.7585, 72.0302



72.5454, 81.7585, 99.6198



83.5776, 81.7585, 97.2628

Complementary

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



77.2655, 81.7585, 72.0302



67.3927, 70.1076, 93.9853

Split Complementary

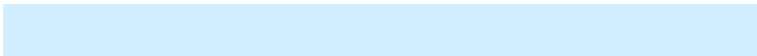
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3266, 81.7585, 105.0227



77.2655, 81.7585, 72.0302



74.9491, 81.7585, 106.4499

Square

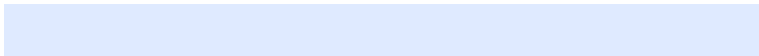
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2655, 81.7585, 72.0302



71.5246, 81.7585, 90.2998



78.1542, 81.7585, 108.4936



84.2400, 81.7585, 87.7546

Rectangle

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



77.2655, 81.7585, 72.0302



72.6674, 81.7585, 78.7200



78.1542, 81.7585, 108.4936



82.9785, 81.7585, 100.1838

Sweetspot

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



77.2677, 81.7621, 72.0319



92.5703, 97.5992, 100.1858



72.1201, 69.5596, 76.1963



19.7164, 20.7950, 21.1041



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.



77.2677, 81.7621, 72.0319



85.7173, 90.7535, 76.7517



77.4731, 85.7452, 72.7899



16.7373, 17.6878, 16.6817



28.1349, 27.0680, 3.7418



2.4228, 2.4163, 0.3387

Inverse Universe

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



67.3927, 70.1076, 93.9853



72.8522, 75.5707, 105.3546



67.1918, 66.6347, 93.3256



15.2478, 15.9298, 19.9927



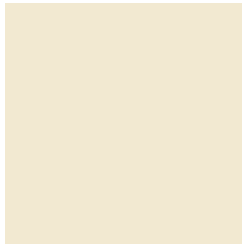
9.7525, 5.7291, 45.7197



0.8912, 0.6365, 3.8301

Previews

White Background



This preview shows how the XYZ color 77.2655, 81.7585, 72.0302 looks on a white background.

Color Contrast Check

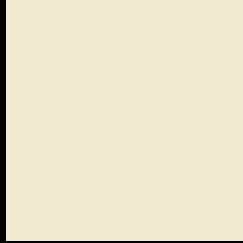
Large Text (above 18pt) WCAG AA × Fail

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 77.2655, 81.7585, 72.0302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

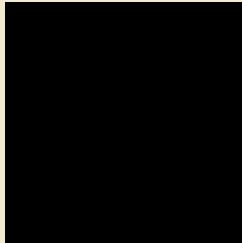
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2655, 81.7585, 72.0302

Background



This preview shows how black text looks on a background with the XYZ color 77.2655, 81.7585, 72.0302.

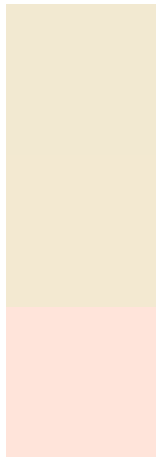


This preview shows how white text looks on a background with the XYZ color 77.2655, 81.7585,

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

77.2655, 81.7585, 72.0302

Protanopia

77.6097, 81.9360, 72.0464

Deuteranopia

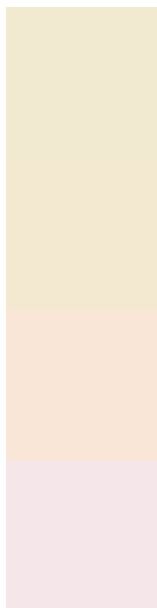
81.6383, 81.8088, 77.8175



Tritanopia

82.7357, 81.9148, 98.6393

Trichromacy



Original Color

77.2655, 81.7585, 72.0302

Protanomaly

77.6097, 81.9360, 72.0464

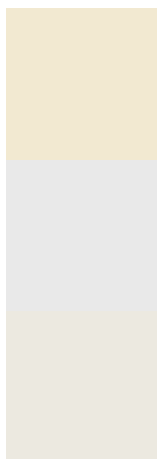
Deuteranomaly

79.9869, 81.8239, 75.8678

Tritanomaly

80.6610, 81.8893, 88.6457

Monochromacy



Original Color

77.2655, 81.7585, 72.0302

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.1855, 81.4925, 82.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2655, 81.7585, 72.0302 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(242, 233, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 209)  
}
```

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(242, 233, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 209) }
```

Border

The CSS property to change the border of an element to XYZ 77.2655, 81.7585, 72.0302 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(242, 233, 209) }
```


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

```
.border{ border-color:rgb(242, 233, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 233, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2655, 81.7585, 72.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 209) }
```

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

```
.background{ background-color: rgb(242,  
233, 209) }
```

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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