

Converting Colors

XYZ(72.1421, 77.7609, 57.6614)

Have a look what the booklet for
XYZ(72.1421, 77.7609, 57.6614)
contains.

XYZ(72.1421, 77.7609, 57.6614)	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(72.1421, 77.7609,
57.6614)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE5BA
RGB	238, 229, 186
RGB Percent	93%, 90%, 73%
CMY	0.0667, 0.1019, 0.2706
CMYK	0.00, 0.04, 0.22, 0.07
HSL	50°, 60%, 83%
HSV	50°, 22%, 93%
XYZ	72.1421, 77.7609, 57.6614
YIQ	226.7890, 19.1670, -11.4650

Conversions

Conversions Part 2

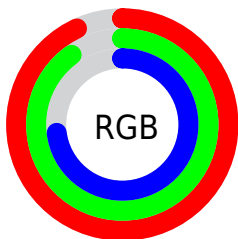
Format	Color
R _Y B	197, 238, 186
Decimal	15656378
CIE Lab	90.67, -3.69, 22.11
CIE LCh	91, 22.412, 99.488
Yxy	77.7609, 0.3476, 0.3746
Android (android.graphics.Color)	4293846458 (0xFFEEE5BA)
YUV	226.7890, -20.1090, 9.8320
Hunter-Lab	88.1821, -8.2873, 22.9584

Details

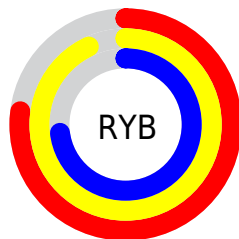
The XYZ color **72.1421, 77.7609, 57.6614** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.1972, 55.6410, 88.7199**, and the grayscale version is **72.9938, 76.7951, 83.6299**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **38.6611, 41.9106, 28.2422** is the 20% darker color. If you saturate the color by 10%, you get **68.6948, 74.5835, 45.0520**, and if you desaturate by 10%, it is **76.0419, 81.1679, 72.5026**.

Distribution



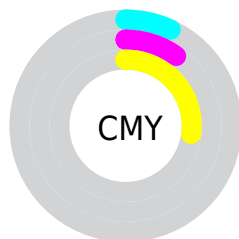
- Red (93%)
- Green (90%)
- Blue (73%)



- Red (77%)
- Yellow (93%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1421, 77.7609, 57.6614 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 72.1421, 77.7609, 57.6614 by changing the saturation by 10% instead.

72.1421, 77.7609,
57.6614

72.1421, 77.7609,
57.6614

457.1860,
487.3544, 433.4860

53.5606, 57.8776,
41.1236

121.2682,
130.2130, 102.9395

38.4798, 41.7102,
28.0952

152.5436,
163.5506, 132.5169

26.5342, 28.8745,
18.1578

188.7811,
202.1417, 167.2779

17.3585, 18.9859,
10.8927

230.3459,
246.3708, 207.6411

10.5873, 11.6601,
5.8815

277.6034,
296.6222, 254.0249

5.8553, 6.5127,
2.7055

330.9190,

2.7971, 3.1592,

353.2804, 306.8480

0.9462

390.6581,
416.7296, 366.5289

■ 1.0474, 1.2154,
0.0000

■ 0.0000, 0.0742,
0.0000

■ 72.1421, 77.7609,
57.6614

■ 72.1421, 77.7609,
57.6614

■ 68.6948, 74.5835,
45.0520

■ 76.0419, 81.1679,
72.5026

■ 65.6730, 71.6166,
34.5596

■ 80.4078, 84.8021,
89.6729

■ 63.0558, 68.8541,
26.0665

■ 84.8710, 88.5191,
107.2205

■ 60.8182, 66.2858,
19.4417

■ 86.1059, 90.9888,
107.6321

■ 58.9320, 63.9001,
14.5384

■ 87.3685, 93.5140,
108.0529

■ 57.3652, 61.6839,
11.1876

■ 88.6590, 96.0951,
108.4831

■ 56.0789, 59.6213,
9.1866

■ 89.0701, 96.9172,
108.6201

■ 55.1882, 58.0334,
8.2928

Harmonies

Analogous

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



77.7615, 77.7609, 58.8609



72.1421, 77.7609, 57.6614



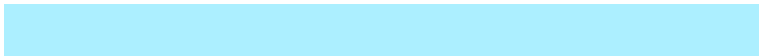
67.2474, 77.7609, 62.9565

Triad

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



72.1421, 77.7609, 57.6614



65.8782, 77.7609, 105.9165



84.5012, 77.7609, 95.9841

Complementary

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



72.1421, 77.7609, 57.6614



55.1972, 55.6410, 88.7199

Split Complementary

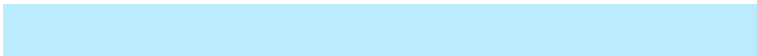
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9975, 77.7609, 110.8735



72.1421, 77.7609, 57.6614



70.1866, 77.7609, 117.0934

Square

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



72.1421, 77.7609, 57.6614



63.7537, 77.7609, 89.8739



75.7053, 77.7609, 119.0142



85.0901, 77.7609, 79.6679

Rectangle

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



72.1421, 77.7609, 57.6614



64.9837, 77.7609, 69.9053



75.7053, 77.7609, 119.0142



83.6171, 77.7609, 101.3761

Sweetspot

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



72.1441, 77.7644, 57.6630



91.3309, 96.9490, 94.1351



62.7303, 57.2602, 59.6935



19.4827, 20.6961, 19.8902



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.



72.1441, 77.7644, 57.6630



82.6027, 89.3410, 60.8645



69.4195, 80.1508, 58.2673



16.8767, 17.9666, 16.7281



30.8740, 32.5460, 4.6548



2.6290, 2.8287, 0.4074

Inverse Universe

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



55.1972, 55.6410, 88.7199



59.6552, 59.3871, 102.9264



57.4760, 53.9136, 88.2664



15.1183, 15.6706, 19.9495



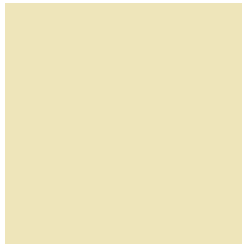
9.1199, 4.4640, 45.5088



0.8216, 0.4972, 3.8069

Previews

White Background



This preview shows how the XYZ color 72.1421, 77.7609, 57.6614 looks on a white background.

Color Contrast Check

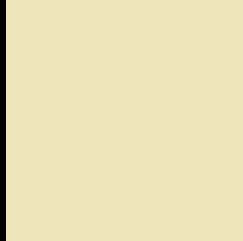
Large Text (above 18pt) WCAG AA × Fail

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 72.1421, 77.7609, 57.6614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

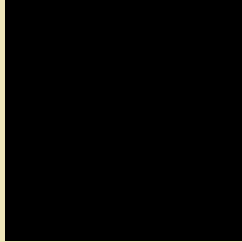
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1421, 77.7609, 57.6614

Background



This preview shows how black text looks on a background with the XYZ color 72.1421, 77.7609, 57.6614.



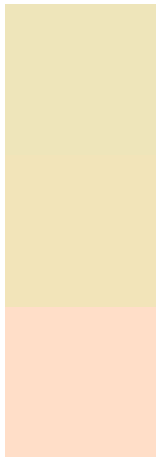
This preview shows how white text looks on a background with the XYZ color 72.1421, 77.7609,

57.6614.

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

72.1421, 77.7609, 57.6614

Protanopia

73.1183, 77.8668, 57.0750

Deuteranopia

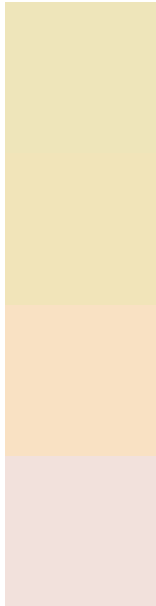
77.7866, 77.6727, 65.5361



Tritanopia

79.3575, 77.8870, 92.5125

Trichromacy



Original Color

72.1421, 77.7609, 57.6614

Protanomaly

72.7760, 77.6904, 57.0590

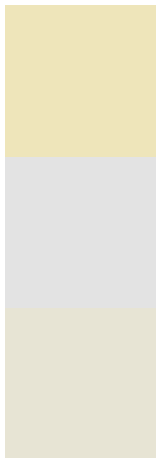
Deuteranomaly

75.8425, 77.9303, 62.6745

Tritanomaly

76.4614, 77.8950, 78.7154

Monochromacy



Original Color

72.1421, 77.7609, 57.6614

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.5821, 77.2292, 73.3686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1421, 77.7609, 57.6614 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(238, 229, 186)` looks like.

```
.text, #text, p{  
    color:rgb(238, 229, 186)  
}
```

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(238, 229, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 229, 186) }
```

Border

The CSS property to change the border of an element to XYZ 72.1421, 77.7609, 57.6614 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(238, 229, 186) }
```


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

```
.border{ border-color:rgb(238, 229, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 229, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 229, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 229, 186);  
box-shadow:4px 4px 4px 4px rgb(238, 229,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1421, 77.7609, 57.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 229, 186) }
```

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

```
.background{ background-color: rgb(238,  
229, 186) }
```

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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