

Converting Colors

XYZ(75.8129, 81.0422, 68.6134)

Have a look what the booklet for
XYZ(75.8129, 81.0422, 68.6134)
contains.

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Color

**XYZ(75.9732, 81.1627,
68.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E9CC
RGB	240, 233, 204
RGB Percent	94%, 91%, 80%
CMY	0.0588, 0.0863, 0.2000
CMYK	0.00, 0.03, 0.15, 0.06
HSL	48°, 55%, 87%
HSV	48°, 15%, 94%
XYZ	75.9732, 81.1627, 68.7885
YIQ	231.7870, 13.4810, -7.5350

Conversions

Conversions Part 2

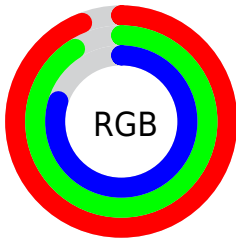
Format	Color
R _Y B	213, 240, 204
Decimal	15788492
CIE Lab	92.20, -2.37, 14.95
CIE LCh	92, 15.133, 99.006
Yxy	81.1627, 0.3363, 0.3592
Android (android.graphics.Color)	4293978572 (0xFFFF0E9CC)
YUV	231.7870, -13.6990, 7.2028
Hunter-Lab	90.0903, -7.1290, 17.7923

Details

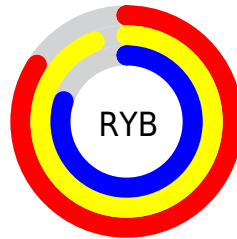
The XYZ color **75.9732, 81.1627, 68.7885** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.9242, 65.7160, 91.7541**, and the grayscale version is **76.6364, 80.6275, 87.8033**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9943, 43.8366, 35.1548** is the 20% darker color. If you saturate the color by 10%, you get **72.0116, 77.4961, 54.3438**, and if you desaturate by 10%, it is **80.4177, 85.0837, 85.5845**.

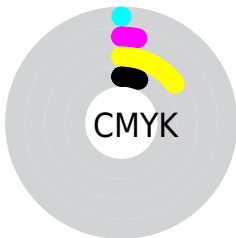
Distribution



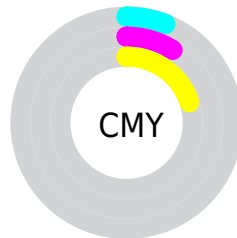
- Red (94%)
- Green (91%)
- Blue (80%)



- Red (84%)
- Yellow (94%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9732, 81.1627, 68.7885 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 75.9732, 81.1627, 68.7885 by changing the saturation by 10% instead.

75.9732, 81.1627,
68.7885

75.9732, 81.1627,
68.7885

470.2018,
498.8426, 474.9584

56.7075, 60.6756,
50.0688

126.6696,
134.9992, 119.1443

41.0097, 43.9634,
35.0965

158.8310,
169.1174, 151.6175

28.5144, 30.6418,
23.4531

196.0217,
208.5481, 189.5122

18.8562, 20.3262,
14.7200

238.6070,
253.6756, 233.2471

11.6698, 12.6324,
8.4787

286.9523,
304.8845, 283.2406

6.5898, 7.1759,
4.3106

341.4230,

3.2510, 3.5723,

362.5590, 339.9113

1.7972

402.3843,
427.0836, 403.6777

■ 1.2878, 1.4373,
0.4261

■ 0.1741, 0.2440,
0.0000

■ 75.9732, 81.1627,
68.7885

■ 75.9732, 81.1627,
68.7885

■ 72.0116, 77.4961,
54.3438

■ 80.4177, 85.0837,
85.5845

■ 68.5058, 74.0646,
42.1385

■ 85.3578, 89.2565,
104.8265

■ 65.4360, 70.8624,
32.0593

■ 87.2452, 92.2648,
107.8183

■ 62.7780, 67.8795,
23.9811

■ 88.6892, 95.1529,
108.2997

■ 60.5055, 65.1049,
17.7653

■ 89.7455, 97.2654,
108.6518

■ 58.5883, 62.5261,
13.2559

■ 56.9920, 60.1288,
10.2714

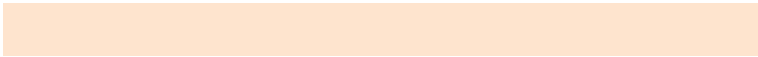
■ 55.6736, 57.8955,
8.5885

■ 55.0864, 56.8272,
8.0654

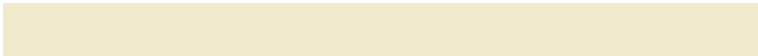
Harmonies

Analogous

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



79.8643, 81.1627, 69.7768



75.9732, 81.1627, 68.7885



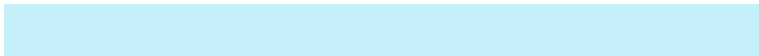
72.5124, 81.1627, 72.6924

Triad

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



75.9732, 81.1627, 68.7885



71.4535, 81.1627, 102.6107



84.3678, 81.1627, 96.3031

Complementary

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



75.9732, 81.1627, 68.7885



63.9242, 65.7160, 91.7541

Split Complementary

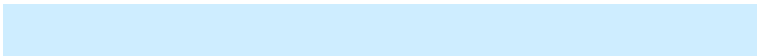
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9661, 81.1627, 106.1591



75.9732, 81.1627, 68.7885



74.4836, 81.1627, 110.0090

Square

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



75.9732, 81.1627, 68.7885



69.9614, 81.1627, 91.7818



78.3242, 81.1627, 111.3596



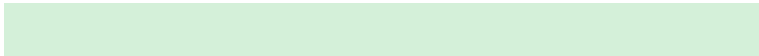
84.7994, 81.1627, 85.0485

Rectangle

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



75.9732, 81.1627, 68.7885



70.8832, 81.1627, 77.7545



78.3242, 81.1627, 111.3596



83.7603, 81.1627, 99.9154

Sweetspot

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



75.9754, 81.1663, 68.7902



92.8219, 98.1023, 100.2696



69.3120, 66.4253, 70.9289



19.7802, 20.9227, 21.1253



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.



75.9754, 81.1663, 68.7902



85.7414, 91.8292, 73.5923



74.4370, 83.3716, 69.2970



16.8467, 17.9066, 16.7181



30.2495, 31.2970, 4.4466



2.5825, 2.7356, 0.3919

Inverse Universe

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



63.9242, 65.7160, 91.7541



69.4491, 70.9426, 104.6407



65.2877, 63.8950, 91.3308



15.1459, 15.7259, 19.9587



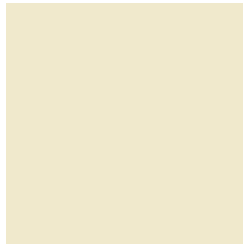
9.2310, 4.6862, 45.5459



0.8348, 0.5236, 3.8113

Previews

White Background



This preview shows how the XYZ color 75.9732, 81.1627, 68.7885 looks on a white background.

Color Contrast Check

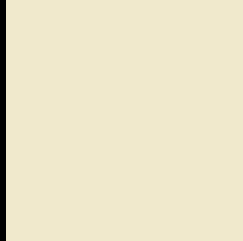
Large Text (above 18pt) WCAG AA × Fail

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 75.9732, 81.1627, 68.7885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

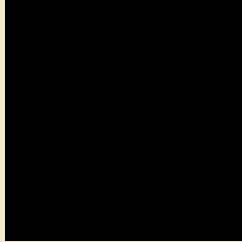
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

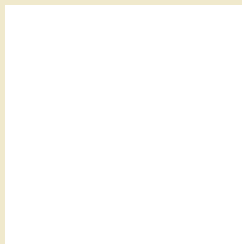
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9732, 81.1627, 68.7885

Background



This preview shows how black text looks on a background with the XYZ color 75.9732, 81.1627, 68.7885.

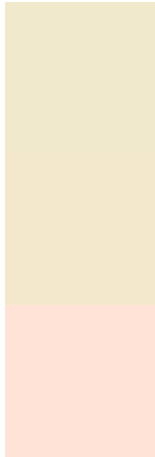


This preview shows how white text looks on a background with the XYZ color 75.9732, 81.1627,

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

75.9732, 81.1627, 68.7885

Protanopia

76.5983, 81.0797, 68.1127

Deuteranopia

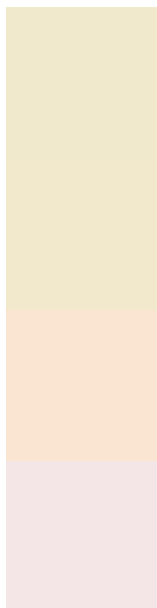
80.9748, 81.1045, 75.6769



Tritanopia

81.9566, 81.1236, 97.7250

Trichromacy



Original Color

75.9732, 81.1627, 68.7885

Protanomaly

76.2541, 80.9023, 68.0966

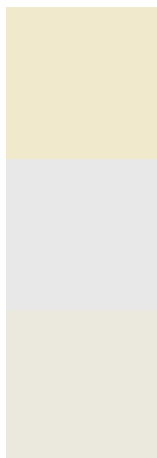
Deuteranomaly

79.2015, 81.0658, 73.1009

Tritanomaly

79.6105, 80.9849, 86.2986

Monochromacy



Original Color

75.9732, 81.1627, 68.7885

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3024, 80.6493, 80.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9732, 81.1627, 68.7885 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(240, 233, 204) looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 204)  
}
```

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(240, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 204) }
```

Border

The CSS property to change the border of an element to XYZ 75.9732, 81.1627, 68.7885 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(240, 233, 204) }
```


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

```
.border{ border-color:rgb(240, 233, 204) }
```

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

Here you see how a box with a 4 pixel rgb(240, 233, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9732, 81.1627, 68.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 204) }
```

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

```
.background{ background-color: rgb(240,  
233, 204) }
```

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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