

Converting Colors

XYZ(76.7298, 78.1233, 72.4505)

Have a look what the booklet for
XYZ(76.7298, 78.1233, 72.4505)
contains.

XYZ(76.6891, 78.1464, 72.6698)	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(76.6891, 78.1464,
72.6698)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E1D3
RGB	246, 225, 211
RGB Percent	96%, 88%, 83%
CMY	0.0353, 0.1176, 0.1725
CMYK	0.00, 0.09, 0.14, 0.04
HSL	24°, 66%, 90%
HSV	24°, 14%, 96%
XYZ	76.6891, 78.1464, 72.6698
YIQ	229.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

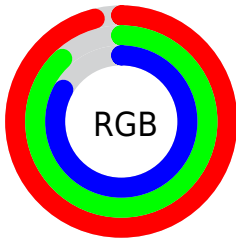
Format	Color
R _Y B	246, 234, 211
Decimal	16179667
CIE Lab	90.85, 4.93, 9.44
CIE LCh	91, 10.650, 62.395
Yxy	78.1464, 0.3371, 0.3435
Android (android.graphics.Color)	4294369747 (0xFFFF6E1D3)
YUV	229.6830, -9.2107, 14.3100
Hunter-Lab	88.4005, 0.1514, 13.1408

Details

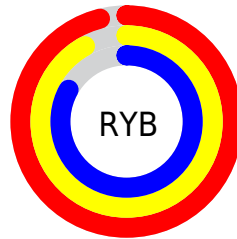
The XYZ color **76.6891, 78.1464, 72.6698** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3547, 78.2142, 98.4728**, and the grayscale version is **75.0384, 78.9462, 85.9724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3617, 41.9686, 37.3732** is the 20% darker color. If you saturate the color by 10%, you get **70.0202, 69.3716, 56.3781**, and if you desaturate by 10%, it is **84.1791, 87.8066, 91.5655**.

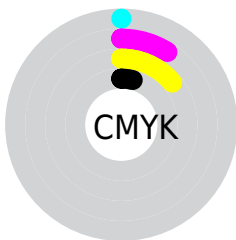
Distribution



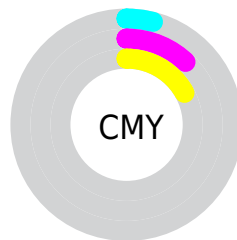
- Red (96%)
- Green (88%)
- Blue (83%)



- Red (96%)
- Yellow (92%)
- Blue (83%)



- Cyan (0%)
- Magenta (9%)
- Yellow (14%)
- Black (4%)




- Cyan (4%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6891, 78.1464, 72.6698 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 76.6891, 78.1464, 72.6698 by changing the saturation by 10% instead.


 76.6891, 78.1464,
72.6698

 76.6891, 78.1464,
72.6698


472.6116,
488.6639, 488.9097

 57.2968, 58.1943,
53.2158


127.6757,
130.7565, 124.7249

 41.4846, 41.9648,
37.5862


160.0007,
164.1832, 158.1631

 28.8873, 29.0738,
25.3623


197.3673,
202.8702, 197.0998

 19.1394, 19.1366,
16.1257

240.1408,
247.2020, 241.9536

 11.8757, 11.7690,
9.4579

288.6866,
297.5628, 293.1429

 6.7307, 6.5866,
4.9401

343.3701,

 3.3391, 3.2049,

354.3371, 351.0863

2.1541

404.5567,
417.9094, 416.2024

■ 1.3355, 1.2396,
0.6477

■ 0.2096, 0.0937,
0.0000

■ 76.6891, 78.1464,
72.6698

■ 76.6891, 78.1464,
72.6698

■ 70.0202, 69.3716,
56.3781

■ 84.1791, 87.8066,
91.5655

■ 64.1359, 61.4458,
42.5699

■ 91.6632, 98.0268,
108.6976

■ 59.0063, 54.3453,
31.1224

■ 91.8163, 98.3330,
108.7487

■ 54.5969, 48.0410,
21.9006

■ 50.8702, 42.5024,
14.7554

■ 47.7846, 37.6961,
9.5192

■ 45.2931, 33.5858,
5.9977

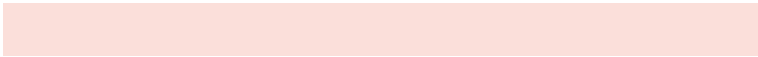
■ 43.3396, 30.1306,
3.9542

■ 42.4147, 28.4096,
3.2481

Harmonies

Analogous

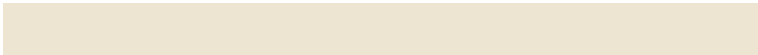
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7121, 78.1464, 77.4246



76.6891, 78.1464, 72.6698



74.0607, 78.1464, 71.1795

Triad

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



76.6891, 78.1464, 72.6698



69.2457, 78.1464, 85.7062



77.0707, 78.1464, 98.1665

Complementary

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



76.6891, 78.1464, 72.6698



72.3547, 78.2142, 98.4728

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.



74.4913, 78.1464, 100.7000



76.6891, 78.1464, 72.6698



70.0094, 78.1464, 93.2414

Square

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



76.6891, 78.1464, 72.6698



69.8027, 78.1464, 78.4317



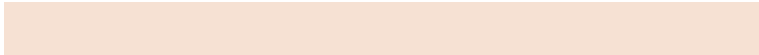
71.9137, 78.1464, 98.8463



78.9361, 78.1464, 92.1109

Rectangle

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



76.6891, 78.1464, 72.6698



72.3300, 78.1464, 72.1606



71.9137, 78.1464, 98.8463



76.2562, 78.1464, 99.4742

Sweetspot

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



76.6912, 78.1499, 72.6715



91.5299, 95.5184, 99.8390



75.8666, 72.0086, 86.2452



19.4530, 20.2682, 21.0163



0.0000, 0.0000, 0.0000



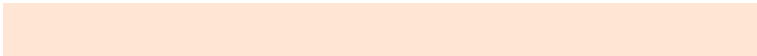
20.3446, 21.4041, 23.3091

Same Dimension

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



76.6912, 78.1499, 72.6715



81.0977, 82.0321, 73.6156



81.6658, 88.0991, 74.3297



17.0433, 17.5707, 17.2908



22.7674, 15.4205, 1.7765



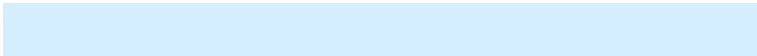
2.0987, 1.5507, 0.1887

Inverse Universe

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



72.3547, 78.2142, 98.4728



75.5745, 82.1130, 106.4739



67.6728, 68.8504, 96.9122



16.4080, 17.5803, 21.0711



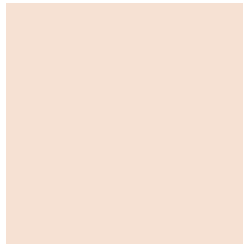
14.6362, 15.0661, 48.6747



1.3868, 1.5250, 4.3115

Previews

White Background



This preview shows how the XYZ color 76.6891, 78.1464, 72.6698 looks on a white background.

Color Contrast Check

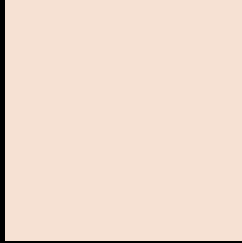
Large Text (above 18pt) WCAG AA × Fail

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 76.6891, 78.1464, 72.6698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

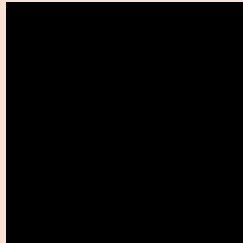
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6891, 78.1464, 72.6698

Background



This preview shows how black text looks on a background with the XYZ color 76.6891, 78.1464, 72.6698.



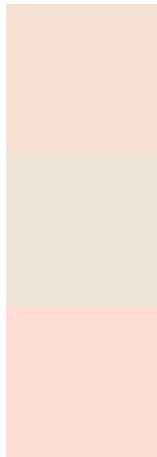
This preview shows how white text looks on a background with the XYZ color 76.6891, 78.1464,

72.6698.

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

76.6891, 78.1464, 72.6698

Protanopia

74.6787, 78.2954, 74.1273

Deuteranopia

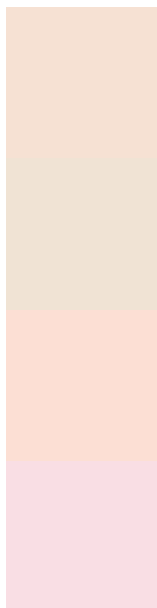
79.3715, 78.3066, 73.8822



Tritanopia

80.7134, 78.2099, 91.7309

Trichromacy



Original Color

76.6891, 78.1464, 72.6698

Protanomaly

75.2879, 78.2169, 73.4166

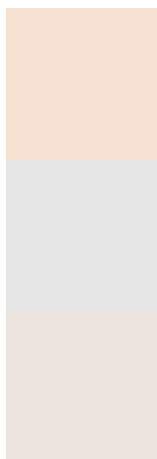
Deuteranomaly

78.4162, 78.2243, 73.2532

Tritanomaly

79.1918, 77.9837, 84.2773

Monochromacy



Original Color

76.6891, 78.1464, 72.6698

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.6548, 78.6474, 81.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6891, 78.1464, 72.6698 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(246, 225, 211)` looks like.

```
.text, #text, p{  
    color:rgb(246, 225, 211)  
}
```

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(246, 225, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 225, 211) }
```

Border

The CSS property to change the border of an element to XYZ 76.6891, 78.1464, 72.6698 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(246, 225, 211) }
```


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

```
.border{ border-color:rgb(246, 225, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 225, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 225, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 225, 211); box-shadow:4px 4px 4px 4px rgb(246, 225, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6891, 78.1464, 72.6698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 225, 211) }
```

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

```
.background{ background-color: rgb(246,  
225, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor