

Converting Colors

XYZ(72.7030, 75.1053, 62.8895)

Have a look what the booklet for
XYZ(72.7030, 75.1053, 62.8895)
contains.

XYZ(72.7030, 75.1053, 62.8895)	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(72.7030, 75.1053,
62.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	F2DEC4
RGB	242, 222, 196
RGB Percent	95%, 87%, 77%
CMY	0.0510, 0.1294, 0.2314
CMYK	0.00, 0.08, 0.19, 0.05
HSL	34°, 64%, 86%
HSV	34°, 19%, 95%
XYZ	72.7030, 75.1053, 62.8895
YIQ	225.0160, 20.2660, -3.8460

Conversions

Conversions Part 2

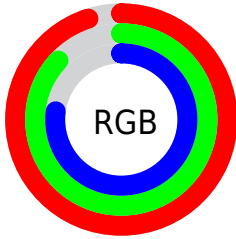
Format	Color
R_{YB}	231, 242, 196
Decimal	15916740
CIE _{Lab}	89.44, 2.78, 15.24
CIE _{LCh}	89, 15.489, 79.663
Yxy	75.1053, 0.3451, 0.3565
Android (android.graphics.Color)	4294106820 (0xFFFF2DEC4)
YUV	225.0160, -14.3049, 14.8950
Hunter-Lab	86.6633, -1.9148, 17.6390

Details

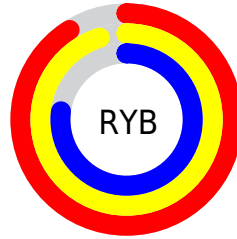
The XYZ color **72.7030, 75.1053, 62.8895** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.3475, 67.2567, 93.6479**, and the grayscale version is **71.6706, 75.4030, 82.1139**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **38.9509, 40.0295, 31.2647** is the 20% darker color. If you saturate the color by 10%, you get **67.4609, 68.6790, 48.6308**, and if you desaturate by 10%, it is **78.5678, 82.0647, 79.5495**.

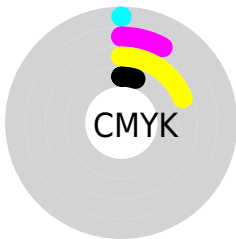
Distribution



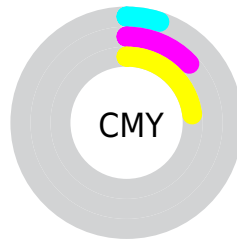
- Red (95%)
- Green (87%)
- Blue (77%)



- Red (91%)
- Yellow (95%)
- Blue (77%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (5%)





- Cyan (5%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7030, 75.1053, 62.8895 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 72.7030, 75.1053, 62.8895 by changing the saturation by 10% instead.


 72.7030, 75.1053,
62.8895

 72.7030, 75.1053,
62.8895


459.1046,
478.2794, 453.2653

 54.0207, 55.6992,
45.3114


122.0609,
126.4614, 110.5941

 38.8489, 39.9618,
31.3580


153.4672,
159.1802, 141.5577

 26.8224, 27.5087,
20.6109


189.8454,
197.1052, 177.8202

 17.5758, 17.9557,
12.6514

231.5611,
240.6211, 219.8002

 10.7437, 10.9182,
7.0611

278.9795,
290.1120, 267.9161

 5.9608, 6.0118,
3.4213

332.4659,

 2.8617, 2.8523,

345.9624, 322.5866

1.3136

392.3858,
408.5568, 384.2301

■ 1.0810, 1.0551,
0.0729

■ 0.0092, 0.0000,
0.0000

■ 72.7030, 75.1053,
62.8895

■ 72.7030, 75.1053,
62.8895

■ 67.4609, 68.6790,
48.6308

■ 78.5678, 82.0647,
79.5495

■ 62.8110, 62.7610,
36.6556

■ 85.0723, 89.5612,
98.7115

■ 58.7292, 57.3389,
26.8431

■ 89.9716, 96.7043,
108.5315

■ 55.1869, 52.3960,
19.0597

■ 90.4281, 97.6173,
108.6837

■ 52.1525, 47.9141,
13.1565

■ 49.5907, 43.8733,
8.9638

■ 47.4597, 40.2512,
6.2808

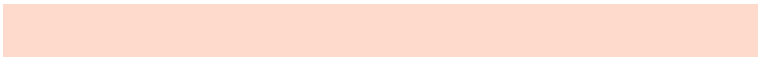
■ 45.6986, 37.0172,
4.8054

■ 45.5366, 36.7143,
4.6865

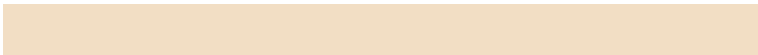
Harmonies

Analogous

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



76.2145, 75.1053, 66.8567



72.7030, 75.1053, 62.8895



68.9576, 75.1053, 63.6307

Triad

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



72.7030, 75.1053, 62.8895



64.7307, 75.1053, 89.0136



77.0943, 75.1053, 96.0663

Complementary

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



72.7030, 75.1053, 62.8895



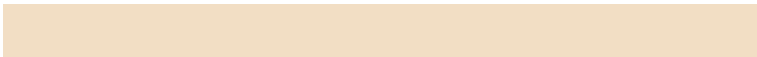
63.3475, 67.2567, 93.6479

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.



73.8694, 75.1053, 103.0816



72.7030, 75.1053, 62.8895



66.7646, 75.1053, 98.7665

Square

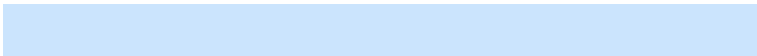
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7030, 75.1053, 62.8895



64.4434, 75.1053, 78.0832



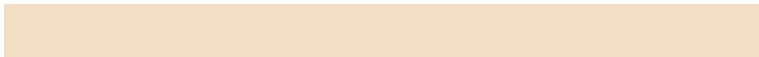
70.0837, 75.1053, 104.1113



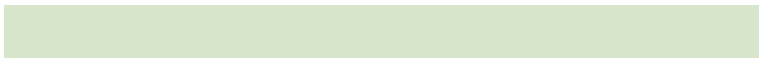
78.8087, 75.1053, 85.5853

Rectangle

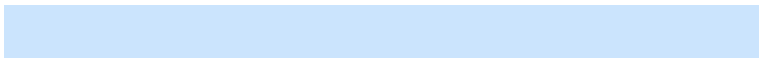
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7030, 75.1053, 62.8895



66.8276, 75.1053, 66.7185



70.0837, 75.1053, 104.1113



76.1457, 75.1053, 98.9460

Sweetspot

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



72.7050, 75.1087, 62.8911



90.5986, 94.8833, 95.7439



68.8440, 63.3522, 74.0418



19.2915, 20.1926, 20.2000



0.0000, 0.0000, 0.0000



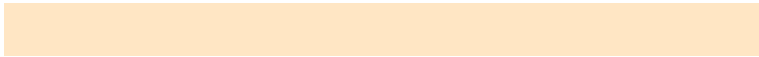
20.3446, 21.4041, 23.3091

Same Dimension

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



72.7050, 75.1087, 62.8911



79.4033, 81.5806, 63.9953



77.5499, 85.9631, 64.7308



16.5143, 17.2418, 16.6073



24.6010, 20.0001, 2.5638



2.1453, 1.8614, 0.2462

Inverse Universe

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



63.3475, 67.2567, 93.6479



66.9859, 71.1624, 104.8129



59.1358, 57.9383, 92.0713



15.4625, 16.3590, 20.0643



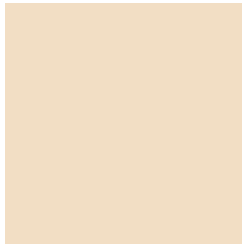
11.4644, 9.1530, 46.2903



1.0509, 0.9558, 3.8833

Previews

White Background



This preview shows how the XYZ color 72.7030, 75.1053, 62.8895 looks on a white background.

Color Contrast Check

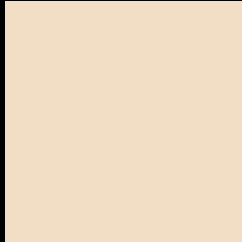
Large Text (above 18pt) WCAG AA × Fail

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 72.7030, 75.1053, 62.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

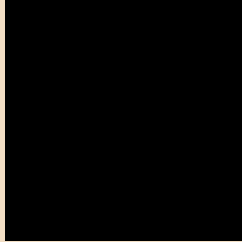
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7030, 75.1053, 62.8895

Background



This preview shows how black text looks on a background with the XYZ color 72.7030, 75.1053, 62.8895.



This preview shows how white text looks on a background with the XYZ color 72.7030, 75.1053,

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

72.7030, 75.1053, 62.8895

Protanopia

70.9946, 75.0047, 63.5589

Deuteranopia

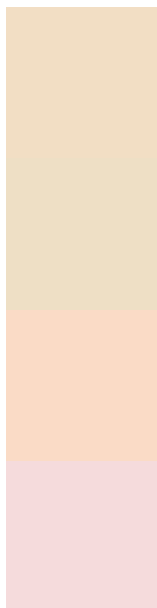
76.3617, 75.0092, 64.4864



Tritanopia

78.0219, 75.3404, 88.2719

Trichromacy



Original Color

72.7030, 75.1053, 62.8895

Protanomaly

71.7256, 74.9837, 63.5163

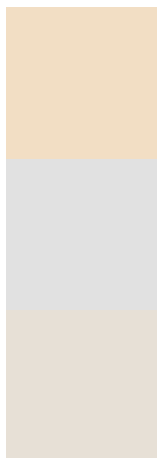
Deuteranomaly

74.9489, 75.0642, 63.9647

Tritanomaly

75.9060, 75.2428, 78.2328

Monochromacy



Original Color

72.7030, 75.1053, 62.8895

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.7483, 75.1553, 74.3432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7030, 75.1053, 62.8895 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, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(242, 222, 196)  
}
```

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, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 222, 196) }
```

Border

The CSS property to change the border of an element to XYZ 72.7030, 75.1053, 62.8895 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, 222, 196) }
```


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

```
.border{ border-color:rgb(242, 222, 196) }
```

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

Here you see how a box with a 4 pixel rgb(242, 222, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 222,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7030, 75.1053, 62.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 222, 196) }
```

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

```
.background{ background-color: rgb(242,  
222, 196) }
```

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