

# Converting Colors

XYZ(72.7050, 76.0656, 60.2584)

Have a look what the booklet for  
XYZ(72.7050, 76.0656, 60.2584)  
contains.

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# **Color**

**XYZ(72.6776, 75.9501,  
60.1195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E0BF
RGB	242, 224, 191
RGB Percent	95%, 88%, 75%
CMY	0.0510, 0.1215, 0.2510
CMYK	0.00, 0.07, 0.21, 0.05
HSL	39°, 66%, 85%
HSV	39°, 21%, 95%
XYZ	72.6776, 75.9501, 60.1195
YIQ	225.6200, 21.3210, -6.4470

# Conversions

## Conversions Part 2

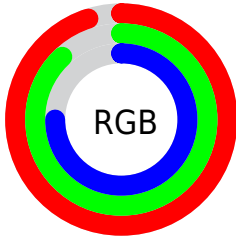
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 242, 191
Decimal	15917247
CIE Lab	89.84, 1.03, 18.40
CIE LCh	90, 18.428, 86.801
Yxy	75.9501, 0.3482, 0.3638
Android (android.graphics.Color)	4294107327 (0xFF2E0BF)
YUV	225.6200, -17.0677, 14.3653
Hunter-Lab	87.1494, -3.6525, 20.1037

# Details

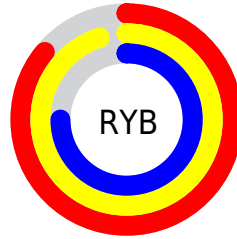
The XYZ color **72.6776, 75.9501, 60.1195** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.3131, 63.0867, 93.0031**, and the grayscale version is **72.1245, 75.8806, 82.6340**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **38.7109, 40.4964, 29.4432** is the 20% darker color. If you saturate the color by 10%, you get **67.9944, 70.4991, 46.4872**, and if you desaturate by 10%, it is **77.9201, 81.8145, 76.1110**.

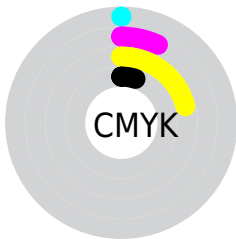
# Distribution



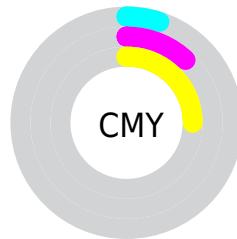
- Red (95%)
- Green (88%)
- Blue (75%)



- Red (86%)
- Yellow (95%)
- Blue (75%)



- Cyan (0%)
- Magenta (7%)
- Yellow (21%)
- Black (5%)




- Cyan (5%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6776, 75.9501, 60.1195 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 72.6776, 75.9501, 60.1195 by changing the saturation by 10% instead.





 72.6776, 75.9501,  
60.1195

 72.6776, 75.9501,  
60.1195


459.0178,  
481.1769, 442.8550

 53.9998, 56.3916,  
43.0890


 122.0250,  
127.6564, 106.5481

 38.8322, 40.5170,  
29.6231


153.4254,  
160.5729, 136.7832

 26.8093, 27.9419,  
19.3030


189.7973,  
198.7109, 172.2571

 17.5659, 18.2818,  
11.7104

231.5061,  
242.4548, 213.3881

 10.7366, 11.1525,  
6.4267

278.9172,  
292.1890, 260.5949

 5.9560, 6.1695,  
3.0333

332.3960,

 2.8587, 2.9484,

348.2977, 314.2959

1.1116

392.3077,  
411.1656, 374.9098

■ 1.0795, 1.1049,  
0.0000

■ 0.0079, 0.0000,  
0.0000

■ 72.6776, 75.9501,  
60.1195

■ 72.6776, 75.9501,  
60.1195

■ 67.9944, 70.4991,  
46.4872

■ 77.9201, 81.8145,  
76.1110

■ 63.8414, 65.4392,  
35.0949

■ 83.7378, 88.0934,  
94.5633

■ 60.1953, 60.7612,  
25.8204

■ 88.7367, 94.2344,  
108.1199

■ 57.0286, 56.4511,  
18.5276

■ 90.4282, 97.6174,  
108.6837

■ 54.3110, 52.4940,  
13.0644

■ 52.0074, 48.8729,  
9.2566

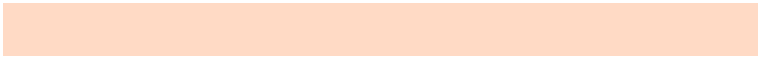
■ 50.0764, 45.5682,  
6.8953

■ 48.6095, 42.8600,  
5.7108

# Harmonies

## Analogous

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



77.0850, 75.9501, 63.4541



72.6776, 75.9501, 60.1195



68.3153, 75.9501, 62.2895

# Triad

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



72.6776, 75.9501, 60.1195



64.6581, 75.9501, 94.5154



79.7586, 75.9501, 97.1875

# Complementary

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



72.6776, 75.9501, 60.1195



60.3131, 63.0867, 93.0031

# Split Complementary

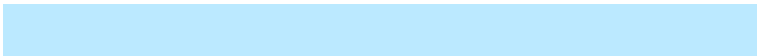
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2050, 75.9501, 107.1355



72.6776, 75.9501, 60.1195



67.5035, 75.9501, 105.4824

# Square

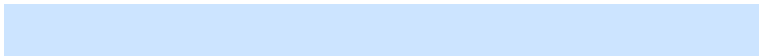
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6776, 75.9501, 60.1195



63.8014, 75.9501, 81.3064



71.7012, 75.9501, 110.3184



81.2797, 75.9501, 84.1028



# Rectangle

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



72.6776, 75.9501, 60.1195



65.9971, 75.9501, 66.7048



71.7012, 75.9501, 110.3184



78.7550, 75.9501, 101.0598

# Sweetspot

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



72.6796, 75.9535, 60.1211



90.9855, 95.6572, 95.8728



66.8451, 60.7780, 68.9861



19.3831, 20.3756, 20.2305



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.



72.6796, 75.9535, 60.1211



79.6708, 83.0311, 61.2621



75.4838, 84.9628, 61.7123



16.6263, 17.4658, 16.6447



26.2465, 23.2912, 3.1123



2.2766, 2.1239, 0.2900



# Inverse Universe

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



60.3131, 63.0867, 93.0031



63.5806, 66.2925, 104.0524



57.8948, 55.6521, 91.6955



15.3535, 16.1412, 20.0279



10.4877, 7.1997, 45.9648

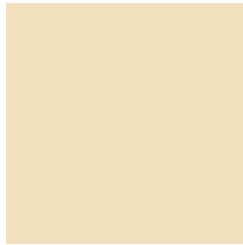


0.9628, 0.7796, 3.8539



# Previews

## White Background



This preview shows how the XYZ color 72.6776, 75.9501, 60.1195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

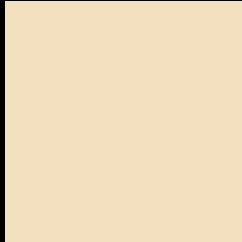
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6776, 75.9501, 60.1195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

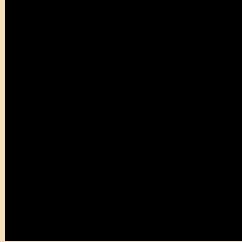
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.6776, 75.9501, 60.1195

## Background



This preview shows how black text looks on a background with the XYZ color 72.6776, 75.9501, 60.1195.



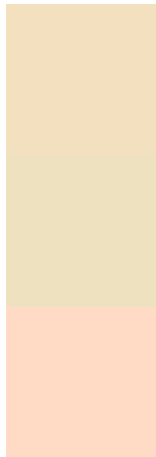
This preview shows how white text looks on a background with the XYZ color 72.6776, 75.9501,



# 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

72.6776, 75.9501, 60.1195

### Protanopia

71.6995, 75.8333, 60.7275

### Deuteranopia

76.7646, 76.0003, 64.0497



## Tritanopia

78.7782, 76.0974, 89.1335

# Trichromacy



## Original Color

72.6776, 75.9501, 60.1195

## Protanomaly

72.0362, 76.0069, 60.7433

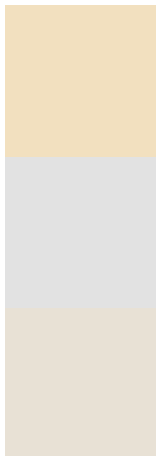
## Deuteranomaly

75.1311, 75.9770, 62.3350

## Tritanomaly

76.3854, 75.8937, 77.6408

# Monochromacy



## Original Color

72.6776, 75.9501, 60.1195

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.2142, 75.8103, 73.7776

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6776, 75.9501, 60.1195 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, 224, 191)` looks like.

```
.text, #text, p{  
    color:rgb(242, 224, 191)  
}
```

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, 224, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 224, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6776, 75.9501, 60.1195 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, 224, 191) }
```



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

```
.border{ border-color:rgb(242, 224, 191) }
```

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

Here you see how a box with a 4 pixel rgb(242, 224, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 224, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 224, 191);  
box-shadow:4px 4px 4px 4px rgb(242, 224,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6776, 75.9501, 60.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 224, 191) }
```

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

```
.background{ background-color: rgb(242,  
224, 191) }
```

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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