

# Converting Colors

XYZ(72.1910, 76.3034, 62.3280)

Have a look what the booklet for  
XYZ(72.1910, 76.3034, 62.3280)  
contains.

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# **Color**

**XYZ(72.3066, 76.5100,  
62.5867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE2C3
RGB	238, 226, 195
RGB Percent	93%, 89%, 76%
CMY	0.0667, 0.1137, 0.2353
CMYK	0.00, 0.05, 0.18, 0.07
HSL	43°, 56%, 85%
HSV	43°, 18%, 93%
XYZ	72.3066, 76.5100, 62.5867
YIQ	226.0540, 17.1030, -7.0970

# Conversions

## Conversions Part 2

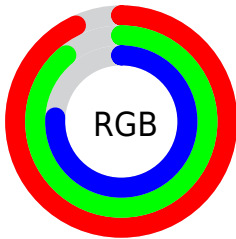
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 238, 195
Decimal	15655619
CIE Lab	90.10, -0.87, 16.63
CIE LCh	90, 16.654, 92.992
Yxy	76.5100, 0.3420, 0.3619
Android (android.graphics.Color)	4293845699 (0xFFEEE2C3)
YUV	226.0540, -15.3096, 10.4766
Hunter-Lab	87.4700, -5.5164, 18.8057

# Details

The XYZ color **72.3066, 76.5100, 62.5867** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2509, 62.3995, 89.7582**, and the grayscale version is **72.4281, 76.2000, 82.9818**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **38.6620, 40.9940, 31.0742** is the 20% darker color. If you saturate the color by 10%, you get **68.0574, 71.9798, 48.9355**, and if you desaturate by 10%, it is **77.0588, 81.3584, 78.5235**.

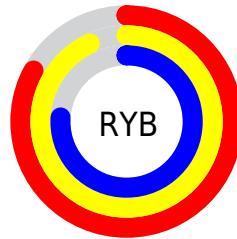
# Distribution



Red (93%)

Green (89%)

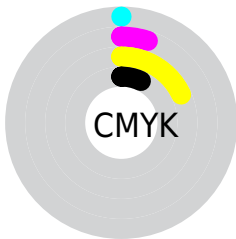
Blue (76%)



Red (83%)

Yellow (93%)

Blue (76%)

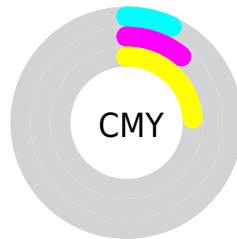


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3066, 76.5100, 62.5867 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 72.3066, 76.5100, 62.5867 by changing the saturation by 10% instead.



72.3066, 76.5100,  
62.5867

72.3066, 76.5100,  
62.5867

457.7491,  
483.0917, 452.1346

53.6955, 56.8508,  
45.0681

121.5008,  
128.4476, 110.1528

38.5880, 40.8855,  
31.1677

152.8146,  
161.4947, 141.0374

26.6186, 28.2296,  
20.4671

189.0934,  
199.7733, 177.2144

17.4221, 18.4988,  
12.5476

230.7025,  
243.6677, 219.1024

10.6331, 11.3087,  
6.9907

278.0072,  
293.5624, 267.1199

5.8861, 6.2749,  
3.3779

331.3730,

2.8160, 3.0129,

349.8417, 321.6853

1.2907

391.1652,  
412.8900, 383.2174

■ 1.0572, 1.1385,  
0.0541

■ 0.0000, 0.0106,  
0.0000

■ 72.3066, 76.5100,  
62.5867

■ 72.3066, 76.5100,  
62.5867

■ 68.0574, 71.9798,  
48.9355

■ 77.0588, 81.3584,  
78.5235

■ 64.2840, 67.7480,  
37.4579

■ 82.3275, 86.5239,  
96.8409

■ 60.9657, 63.8076,  
28.0398

■ 86.2426, 91.2623,  
107.6776

■ 58.0777, 60.1474,  
20.5549

■ 88.2975, 95.3720,  
108.3626

■ 55.5927, 56.7551,  
14.8625

■ 89.0701, 96.9173,  
108.6201

■ 53.4794, 53.6168,  
10.8031

■ 51.7014, 50.7167,  
8.1883

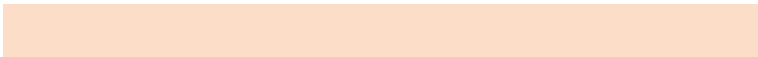
■ 50.2083, 48.0332,  
6.7572

■ 49.9383, 47.5336,  
6.5429

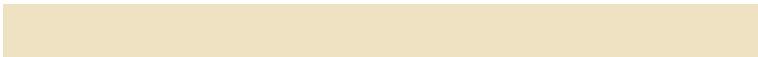
# Harmonies

## Analogous

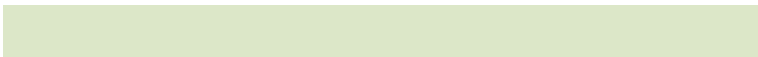
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3885, 76.5100, 64.6338



72.3066, 76.5100, 62.5867



68.4795, 76.5100, 65.6417

# Triad

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



72.3066, 76.5100, 62.5867



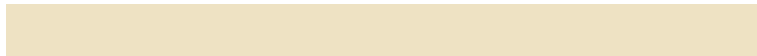
66.2580, 76.5100, 96.3207



80.0312, 76.5100, 94.0726

# Complementary

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



72.3066, 76.5100, 62.5867



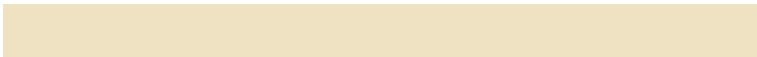
60.2509, 62.3995, 89.7582

# Split Complementary

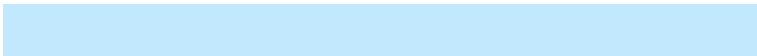
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1330, 76.5100, 103.8859



72.3066, 76.5100, 62.5867



69.1718, 76.5100, 105.2678

# Square

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



72.3066, 76.5100, 62.5867



65.0713, 76.5100, 84.4996



73.1359, 76.5100, 108.1581



80.9468, 76.5100, 82.1245



# Rectangle

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



72.3066, 76.5100, 62.5867



66.5587, 76.5100, 70.3469



73.1359, 76.5100, 108.1581



79.2513, 76.5100, 97.7671

# Sweetspot

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



72.3086, 76.5134, 62.5883



91.9404, 96.9575, 98.0703



66.0608, 61.7223, 67.5819



19.5882, 20.6630, 20.6776



0.0000, 0.0000, 0.0000

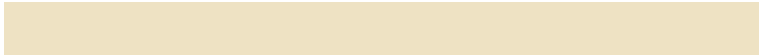


20.3446, 21.4041, 23.3091



# Same Dimension

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



72.3086, 76.5134, 62.5883



82.5064, 87.3173, 66.4774



72.6377, 81.6958, 63.5713



16.7285, 17.6701, 16.6787



27.9748, 26.7478, 3.6884



2.4105, 2.3918, 0.3346



# Inverse Universe

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



60.2509, 62.3995, 89.7582



65.7625, 67.7202, 104.2130



59.9374, 58.0865, 88.9423



15.2562, 15.9465, 19.9955



9.8032, 5.8305, 45.7366

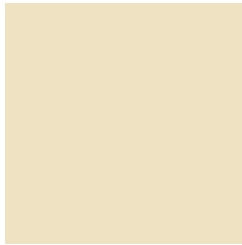


0.8964, 0.6468, 3.8318



# Previews

## White Background



This preview shows how the XYZ color 72.3066, 76.5100, 62.5867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

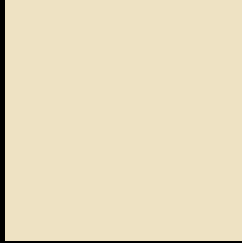
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3066, 76.5100, 62.5867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

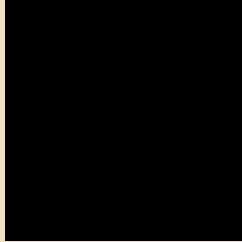
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

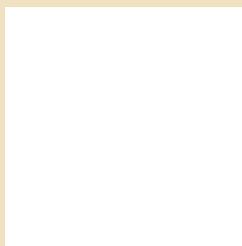
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.3066, 76.5100, 62.5867**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3066, 76.5100, 62.5867.



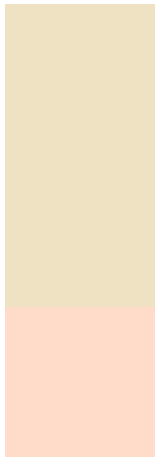
This preview shows how white text looks on a background with the XYZ color 72.3066, 76.5100,



# 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

72.3066, 76.5100, 62.5867

### Protanopia

72.3066, 76.5100, 62.5867

### Deuteranopia

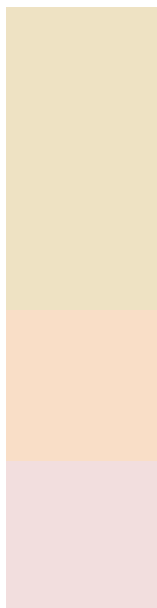
77.1141, 76.1401, 65.8905



## Tritanopia

78.1875, 76.5339, 90.7724

# Trichromacy



## Original Color

72.3066, 76.5100, 62.5867

## Protanomaly

72.3066, 76.5100, 62.5867

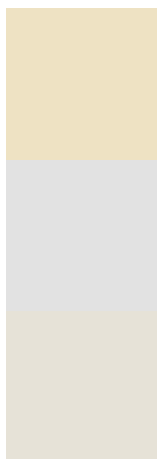
## Deuteranomaly

75.4970, 76.5058, 64.8208

## Tritanomaly

75.9240, 76.3937, 79.8511

# Monochromacy



## Original Color

72.3066, 76.5100, 62.5867

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.0952, 76.1220, 75.1832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3066, 76.5100, 62.5867 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, 226, 195)` looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 195)  
}
```

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, 226, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3066, 76.5100, 62.5867 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, 226, 195) }
```



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

```
.border{ border-color:rgb(238, 226, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 226, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 226, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 226, 195); box-shadow:4px 4px 4px 4px rgb(238, 226, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3066, 76.5100, 62.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 195) }
```

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

```
.background{ background-color: rgb(238,  
226, 195) }
```

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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