

# Converting Colors

XYZ(66.9025, 72.2825, 37.2138)

Have a look what the booklet for  
XYZ(66.9025, 72.2825, 37.2138)  
contains.

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# **Color**

**XYZ(66.9025, 72.2825,  
37.2138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DD91
RGB	240, 221, 145
RGB Percent	94%, 87%, 57%
CMY	0.0588, 0.1333, 0.4314
CMYK	0.00, 0.08, 0.40, 0.06
HSL	48°, 76%, 75%
HSV	48°, 40%, 94%
XYZ	66.9025, 72.2825, 37.2138
YIQ	218.0170, 35.7200, -19.6080

# Conversions

## Conversions Part 2

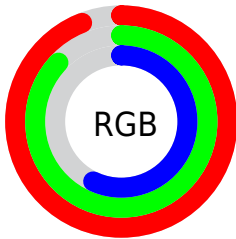
Format	Color
R <sub>Y</sub> B	169, 240, 145
Decimal	15785361
CIE Lab	88.10, -3.95, 39.66
CIE LCh	88, 39.853, 95.693
Yxy	72.2825, 0.3793, 0.4098
Android (android.graphics.Color)	4293975441 (0xFFF0DD91)
YUV	218.0170, -35.9974, 19.2791
Hunter-Lab	85.0191, -8.3198, 33.5615

# Details

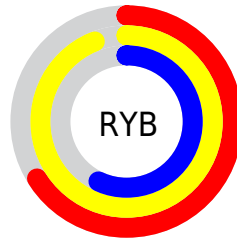
The XYZ color **66.9025, 72.2825, 37.2138** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.6804, 38.8608, 87.7949**, and the grayscale version is **66.8770, 70.3598, 76.6219**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **35.1404, 38.1300, 15.8637** is the 20% darker color. If you saturate the color by 10%, you get **63.9956, 69.1240, 28.0592**, and if you desaturate by 10%, it is **70.2401, 75.6765, 48.4422**.

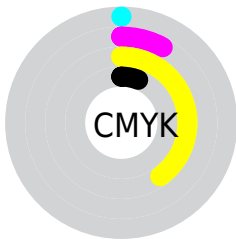
# Distribution



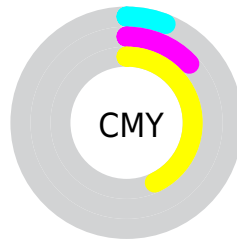
- Red (94%)
- Green (87%)
- Blue (57%)



- Red (66%)
- Yellow (94%)
- Blue (57%)



- Cyan (0%)
- Magenta (8%)
- Yellow (40%)
- Black (6%)



- Cyan (6%)
- Magenta (13%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9025, 72.2825, 37.2138 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 66.9025, 72.2825, 37.2138 by changing the saturation by 10% instead.



66.9025, 72.2825,  
37.2138

66.9025, 72.2825,  
37.2138

439.0356,  
468.5243, 349.4318

49.2758, 53.3895,  
25.0760

113.8313,  
122.4581, 72.0915

35.0537, 38.1138,  
15.9141

143.8640,  
154.5094, 95.6684

23.8710, 26.0710,  
9.3097

178.7629,  
191.7157, 123.8955

15.3622, 16.8768,  
4.8442

218.8931,  
234.4612, 157.1913

9.1619, 10.1467,  
2.0990

264.6202,  
283.1305, 195.9742

4.9049, 5.4963,  
0.6152

316.3094,

2.2258, 2.5413,

338.1078, 240.6629

0.0000

374.3261,  
399.7776, 291.6759

■ 0.7563, 0.8973,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.9025, 72.2825,  
37.2138

■ 66.9025, 72.2825,  
37.2138

■ 63.9956, 69.1240,  
28.0592

■ 70.2401, 75.6765,  
48.4422

■ 61.4890, 66.1804,  
20.8431


■ 74.0261, 79.3056,  
61.8593


■ 59.3564, 63.4434,  
15.4211


■ 78.2834, 83.1822,  
77.5770


■ 57.5660, 60.8999,  
11.6268


■ 83.0319, 87.3146,  
95.6980


 56.0800, 58.5340,  
9.2623


 86.6373, 91.0495,  
107.6158

 54.8375, 56.3211,  
8.0096

 88.1080, 93.9908,  
108.1060

 54.7880, 56.2308,  
7.9660

 89.6165, 97.0079,  
108.6088

 89.7452, 97.2653,  
108.6517

# Harmonies

## Analogous

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



76.5162, 72.2825, 39.9416



66.9025, 72.2825, 37.2138



58.5662, 72.2825, 43.3424

# Triad

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



66.9025, 72.2825, 37.2138



54.8822, 72.2825, 113.4236



86.7716, 72.2825, 102.3154

# Complementary

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



66.9025, 72.2825, 37.2138



40.6804, 38.8608, 87.7949

# 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.



79.9454, 72.2825, 129.4201



66.9025, 72.2825, 37.2138



61.4395, 72.2825, 136.8010

# Square

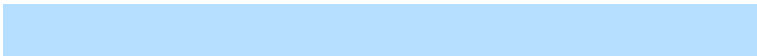
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.9025, 72.2825, 37.2138



52.0497, 72.2825, 84.0190



70.5342, 72.2825, 143.2443



88.5746, 72.2825, 73.6167

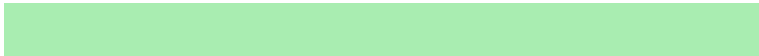


# Rectangle

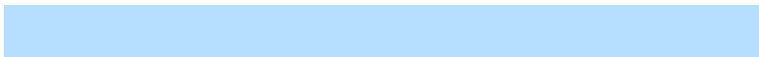
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.9025, 72.2825, 37.2138



54.6638, 72.2825, 52.6987



70.5342, 72.2825, 143.2443



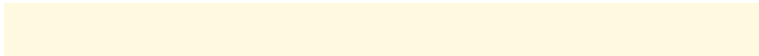
84.9595, 72.2825, 112.1037

# Sweetspot

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



66.9043, 72.2858, 37.2153



88.5880, 94.3419, 84.3465



52.7620, 41.4572, 40.3440



18.8215, 20.0667, 17.5334



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.



66.9043, 72.2858, 37.2153



74.2100, 80.1861, 34.5433



63.2788, 78.2876, 38.5648



16.8388, 17.8908, 16.7155



30.0882, 30.9745, 4.3929



2.5704, 2.7115, 0.3879



# Inverse Universe

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



40.6804, 38.8608, 87.7949



40.4834, 37.2185, 99.6579



43.1986, 35.4843, 87.0105



15.1532, 15.7404, 19.9612



9.2624, 4.7490, 45.5563

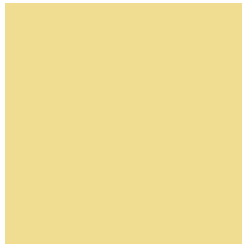


0.8384, 0.5309, 3.8125



# Previews

## White Background



This preview shows how the XYZ color 66.9025, 72.2825, 37.2138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

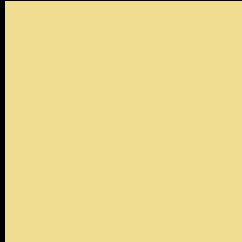
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9025, 72.2825, 37.2138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

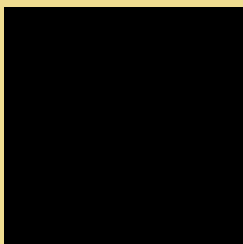
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

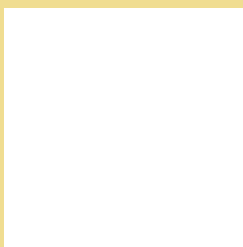
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.9025, 72.2825, 37.2138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9025, 72.2825, 37.2138.



This preview shows how white text looks on a background with the XYZ color 66.9025, 72.2825,



# 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

66.9025, 72.2825, 37.2138

### Protanopia

66.9025, 72.2825, 37.2138

### Deuteranopia

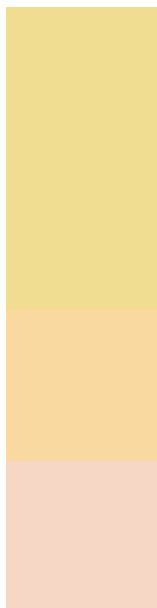
72.4480, 72.2177, 47.6571



## Tritanopia

76.2263, 72.2743, 82.6058

# Trichromacy



## Original Color

66.9025, 72.2825, 37.2138

## Protanomaly

66.9025, 72.2825, 37.2138

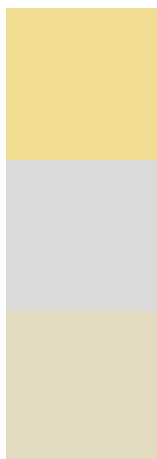
## Deuteranomaly

70.5824, 72.4878, 43.5292

## Tritanomaly

72.3845, 72.2249, 62.9491

# Monochromacy



## Original Color

66.9025, 72.2825, 37.2138

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.0995, 70.5934, 59.4323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9025, 72.2825, 37.2138 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, 221, 145)` looks like.

```
.text, #text, p{  
    color:rgb(240, 221, 145)  
}
```

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, 221, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9025, 72.2825, 37.2138 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, 221, 145) }
```



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

```
.border{ border-color:rgb(240, 221, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 221, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 145);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9025, 72.2825, 37.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 145) }
```

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

```
.background{ background-color: rgb(240,  
221, 145) }
```

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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