

# Converting Colors

XYZ(63.3923, 71.0073, 21.6584)

Have a look what the booklet for  
XYZ(63.3923, 71.0073, 21.6584)  
contains.

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# Color

**XYZ(63.2740, 70.7531,  
21.6311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDD61
RGB	238, 221, 97
RGB Percent	93%, 87%, 38%
CMY	0.0667, 0.1333, 0.6196
CMYK	0.00, 0.07, 0.59, 0.07
HSL	53°, 81%, 66%
HSV	53°, 59%, 93%
XYZ	63.2740, 70.7531, 21.6311
YIQ	211.9470, 49.9360, -34.9600

# Conversions

## Conversions Part 2

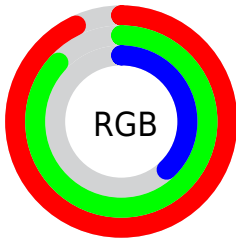
Format	Color
<a href="#">RYB</a>	<a href="#">116, 238, 97</a>
Decimal	<a href="#">15654241</a>
CIELab	<a href="#">87.36, -8.96, 61.52</a>
CIElCh	<a href="#">87, 62.164, 98.284</a>
Yxy	<a href="#">70.7531, 0.4065, 0.4545</a>
Android (android.graphics.Color)	<a href="#">4293844321</a> ( <a href="#">0xFFEEDD61</a> )
YUV	<a href="#">211.9470, -56.6689, 22.8485</a>
Hunter-Lab	<a href="#">84.1149, -12.9274, 43.6333</a>

# Details

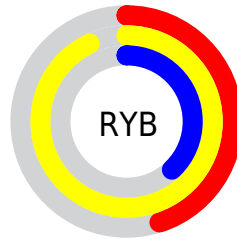
The XYZ color **63.2740, 70.7531, 21.6311** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.3796, 20.7485, 83.5030**, and the grayscale version is **62.8873, 66.1623, 72.0507**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **32.6269, 37.0162, 7.5231** is the 20% darker color. If you saturate the color by 10%, you get **61.5762, 68.8751, 16.3876**, and if you desaturate by 10%, it is **65.3209, 72.7967, 28.6345**.

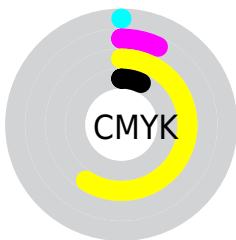
# Distribution



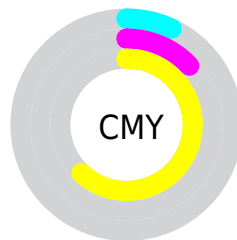
- Red (93%)
- Green (87%)
- Blue (38%)



- Red (45%)
- Yellow (93%)
- Blue (38%)



- Cyan (0%)
- Magenta (7%)
- Yellow (59%)
- Black (7%)



- Cyan (7%)
- Magenta (13%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2740, 70.7531, 21.6311 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 63.2740, 70.7531, 21.6311 by changing the saturation by 10% instead.



63.2740, 70.7531,  
21.6311

63.2740, 70.7531,  
21.6311

426.2071,  
463.1899, 273.5041

46.3224, 52.1407,  
13.3904

108.6443,  
120.2821, 47.0299

32.7060, 37.1173,  
7.5640

137.7937,  
151.9675, 65.0250

22.0595, 25.2983,  
3.7335

171.7398,  
188.7794, 87.1087

14.0175, 16.2994,  
1.4803

210.8478,  
231.1022, 113.6994

8.2146, 9.7363,  
0.2032

255.4832,  
279.3202, 145.2158

4.2855, 5.2245,  
0.0000

306.0113,

1.8649, 2.3796,

333.8179, 182.0763

0.0000

362.7975,  
394.9797, 224.6996

■ 0.5563, 0.8153,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2740, 70.7531,  
21.6311

■ 63.2740, 70.7531,  
21.6311

■ 61.5762, 68.8751,  
16.3876

■ 65.3209, 72.7967,  
28.6345

■ 60.1918, 67.1405,  
12.7376


■ 67.7389, 75.0069,  
37.5356


■ 59.0856, 65.5376,  
10.4901


■ 70.5541, 77.3969,  
48.4637


■ 58.2010, 64.0437,  
9.3460


■ 73.7886, 79.9757,  
61.5352


 58.1376, 63.9328,  
9.2761

 77.4630, 82.7515,  
76.8580

 81.5964, 85.7320,  
94.5324

 84.7902, 88.3581,  
107.1936

 85.6464, 90.0705,  
107.4790

 86.5161, 91.8098,  
107.7689

# Harmonies

## Analogous

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



78.2109, 70.7531, 23.7919



63.2740, 70.7531, 21.6311



51.2729, 70.7531, 29.5032

# Triad

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



63.2740, 70.7531, 21.6311



47.4848, 70.7531, 138.5564



96.9361, 70.7531, 110.8821

# Complementary

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



63.2740, 70.7531, 21.6311



26.3796, 20.7485, 83.5030

# 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.



86.2397, 70.7531, 159.2253



63.2740, 70.7531, 21.6311



57.3619, 70.7531, 178.8252

# Square

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



63.2740, 70.7531, 21.6311



43.0625, 70.7531, 89.2468



71.3865, 70.7531, 187.5181



99.1269, 70.7531, 65.9969



# Rectangle

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



63.2740, 70.7531, 21.6311



46.0331, 70.7531, 41.9539



71.3865, 70.7531, 187.5181



94.1485, 70.7531, 127.6655

# Sweetspot

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



63.2757, 70.7564, 21.6325



86.7815, 93.9095, 73.9390



42.6757, 27.9835, 19.6151



18.3234, 19.9052, 14.7938



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.



63.2757, 70.7564, 21.6325



71.6641, 80.1332, 18.1599



53.0551, 72.4887, 22.5056



16.9508, 18.1148, 16.7528



32.4990, 35.7961, 5.1965



2.7490, 3.0687, 0.4474



# Inverse Universe

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



26.3796, 20.7485, 83.5030



25.0322, 16.9978, 96.5693



32.0477, 21.0847, 83.2691



15.0507, 15.5355, 19.9270



8.8992, 4.0227, 45.4353

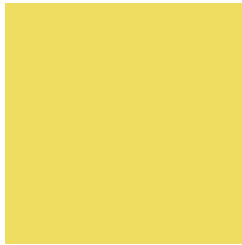


0.7896, 0.4333, 3.7962



# Previews

## White Background



This preview shows how the XYZ color 63.2740, 70.7531, 21.6311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

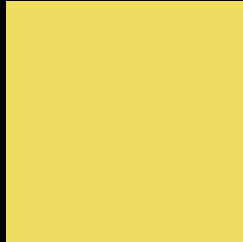
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2740, 70.7531, 21.6311 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 63.2740, 70.7531, 21.6311**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.2740, 70.7531, 21.6311.



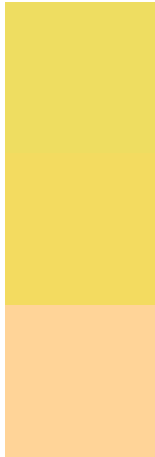
This preview shows how white text looks on a background with the XYZ color 63.2740, 70.7531,



# 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

63.2740, 70.7531, 21.6311

### Protanopia

64.4050, 70.5623, 21.2917

### Deuteranopia

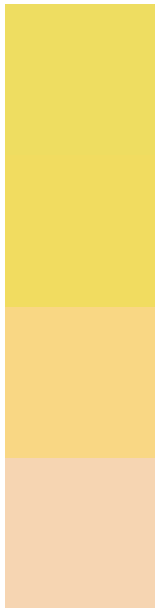
70.4510, 70.6140, 39.6225



## Tritanopia

75.4348, 70.8176, 80.2143

# Trichromacy



## Original Color

63.2740, 70.7531, 21.6311

## Protanomaly

63.9801, 70.7317, 21.3468

## Deuteranomaly

67.5322, 70.4066, 31.8603

## Tritanomaly

69.8362, 70.3957, 52.0264

# Monochromacy



## Original Color

63.2740, 70.7531, 21.6311

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.3749, 66.8753, 47.7036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2740, 70.7531, 21.6311 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, 221, 97)` looks like.

```
.text, #text, p{  
    color:rgb(238, 221, 97)  
}
```

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, 221, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 221, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2740, 70.7531, 21.6311 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, 221, 97) }
```



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

```
.border{ border-color:rgb(238, 221, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 221, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 221, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 221, 97);  
box-shadow:4px 4px 4px 4px rgb(238, 221,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2740, 70.7531, 21.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 221, 97) }
```

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

```
.background{ background-color: rgb(238,  
221, 97) }
```

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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