

# Converting Colors

XYZ(60.2400, 71.3265, 17.7338)

Have a look what the booklet for  
XYZ(60.2400, 71.3265, 17.7338)  
contains.

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# Color

**XYZ(60.2501, 71.2737,  
17.7894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E24E
RGB	227, 226, 78
RGB Percent	89%, 89%, 31%
CMY	0.1098, 0.1137, 0.6941
CMYK	0.00, 0.00, 0.66, 0.11
HSL	60°, 73%, 60%
HSV	60°, 66%, 89%
XYZ	60.2501, 71.2737, 17.7894
YIQ	209.4270, 48.1040, -45.8160

# Conversions

## Conversions Part 2

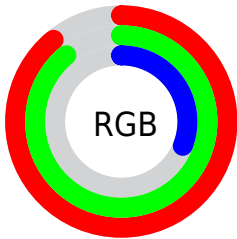
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 227, 78
Decimal	14934606
CIELab	87.62, -17.12, 69.32
CIELCh	88, 71.397, 103.870
Yxy	71.2737, 0.4035, 0.4773
Android (android.graphics.Color)	4293124686 (0xFFE3E24E)
YUV	209.4270, -64.7935, 15.4115
Hunter-Lab	84.4238, -20.3527, 46.6033

# Details

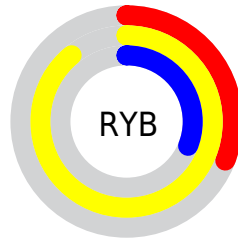
The XYZ color **60.2501, 71.2737, 17.7894** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.8032, 12.7576, 74.0914**, and the grayscale version is **61.2736, 64.4646, 70.2019**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **30.7333, 37.4594, 5.7254** is the 20% darker color. If you saturate the color by 10%, you get **59.5322, 70.9234, 14.2048**, and if you desaturate by 10%, it is **61.2521, 71.7430, 22.8557**.

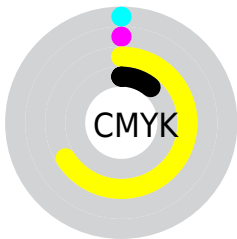
# Distribution



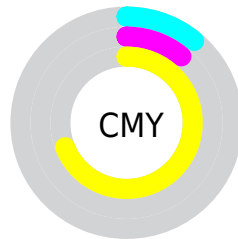
- Red (89%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2501, 71.2737, 17.7894 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 60.2501, 71.2737, 17.7894 by changing the saturation by 10% instead.



60.2501, 71.2737,  
17.7894

60.2501, 71.2737,  
17.7894

415.3390,  
465.0097, 251.8774

43.8705, 52.5656,  
10.6310

104.2967,  
121.0234, 40.4872

30.7662, 37.4561,  
5.7083

132.6943,  
152.8337, 56.8637

20.5718, 25.5608,  
2.6026

165.8287,  
189.7802, 77.1501

12.9220, 16.4954,  
0.8938

204.0652,  
232.2474, 101.7647

7.4515, 9.8754,  
0.0000

247.7691,  
280.6195, 131.1262

3.7949, 5.3164,  
0.0000

297.3058,

1.5868, 2.4341,

335.2810, 165.6532

0.0000

353.0406,  
396.6162, 205.7640

■ 0.3838, 0.8433,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.2501, 71.2737,  
17.7894

■ 60.2501, 71.2737,  
17.7894

■ 59.5322, 70.9234,  
14.2048

■ 61.2521, 71.7430,  
22.8557

■ 59.0632, 70.6700,  
11.9377

■ 62.5594, 72.3319,  
29.5362

■ 58.8074, 70.5020,  
10.7932

■ 64.1965, 73.0527,  
37.9539

■ 58.7352, 70.4445,  
10.5015

■ 66.1844, 73.9140,  
48.2185

68.5423, 74.9232,  
60.4309

71.2878, 76.0876,  
74.6845

74.4375, 77.4137,  
91.0667

77.2569, 78.6077,  
105.7087

77.2983, 78.6906,  
105.7225

# Harmonies

## Analogous

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



77.1760, 71.2737, 18.1475



60.2501, 71.2737, 17.7894



47.6307, 71.2737, 27.9982

# Triad

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



60.2501, 71.2737, 17.7894



46.9179, 71.2737, 161.5940



103.9905, 71.2737, 106.4301

# Complementary

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



60.2501, 71.2737, 17.7894



19.8032, 12.7576, 74.0914

# 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.



92.8450, 71.2737, 165.8622



60.2501, 71.2737, 17.7894



59.1127, 71.2737, 205.6909

# Square

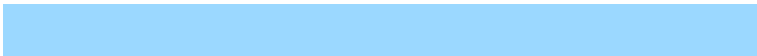
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.2501, 71.2737, 17.7894



40.8446, 71.2737, 102.1144



75.8338, 71.2737, 207.5152



104.4325, 71.2737, 57.3691



# Rectangle

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



60.2501, 71.2737, 17.7894



42.5617, 71.2737, 43.4170



75.8338, 71.2737, 207.5152



101.2976, 71.2737, 126.2173

# Sweetspot

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



60.2518, 71.2770, 17.7909



87.7907, 96.9229, 71.2077



35.8692, 22.3667, 10.1110



18.6077, 20.6670, 14.2932



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.



60.2518, 71.2770, 17.7909



77.2284, 92.1882, 17.1586



42.3590, 62.4552, 17.0311



15.5930, 16.7998, 15.3253



34.2585, 41.0911, 6.1258



2.5343, 3.0419, 0.4536



# Inverse Universe

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



19.8032, 12.7576, 74.0914



20.9084, 10.7141, 95.5738



29.1710, 17.4813, 74.5094



13.5905, 13.9025, 18.1115



8.0991, 3.2603, 42.5856

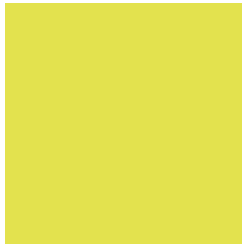


0.6012, 0.2464, 3.1478



# Previews

## White Background



This preview shows how the XYZ color 60.2501, 71.2737, 17.7894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

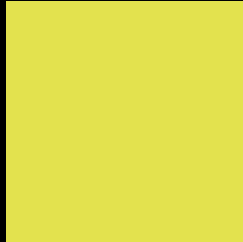
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2501, 71.2737, 17.7894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

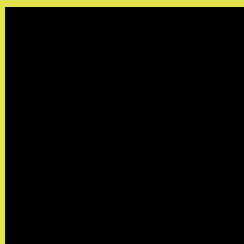
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.2501, 71.2737, 17.7894

## Background



This preview shows how black text looks on a background with the XYZ color 60.2501, 71.2737, 17.7894.



This preview shows how white text looks on a background with the XYZ color 60.2501, 71.2737,



# 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

60.2501, 71.2737, 17.7894

### Protanopia

64.5539, 71.1207, 17.1628

### Deuteranopia

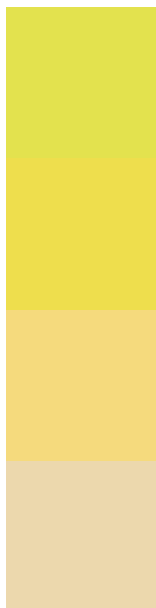
70.7017, 71.1155, 39.7060



## Tritanopia

73.5735, 70.8907, 83.2043

# Trichromacy



## Original Color

60.2501, 71.2737, 17.7894

## Protanomaly

62.7207, 70.9555, 17.4112

## Deuteranomaly

66.4293, 71.0360, 29.6121

## Tritanomaly

66.6908, 69.9617, 49.5241

# Monochromacy



## Original Color

60.2501, 71.2737, 17.7894

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.0524, 65.7730, 43.3013

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2501, 71.2737, 17.7894 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(227, 226, 78)` looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 78)  
}
```

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(227, 226, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2501, 71.2737, 17.7894 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(227, 226, 78) }
```



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

```
.border{ border-color:rgb(227, 226, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 226, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 226, 78);  
box-shadow:4px 4px 4px 4px rgb(227, 226,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2501, 71.2737, 17.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 78) }
```

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

```
.background{ background-color: rgb(227,  
226, 78) }
```

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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