

Converting Colors

XYZ(60.4531, 71.3422, 12.0762)

Have a look what the booklet for
XYZ(60.4531, 71.3422, 12.0762)
contains.

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Color

**XYZ(60.4401, 71.4971,
12.1282)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E222
RGB	231, 226, 34
RGB Percent	91%, 89%, 13%
CMY	0.0941, 0.1137, 0.8666
CMYK	0.00, 0.02, 0.85, 0.09
HSL	58°, 80%, 52%
HSV	58°, 85%, 91%
XYZ	60.4401, 71.4971, 12.1282
YIQ	205.6070, 64.6120, -58.6520

Conversions

Conversions Part 2

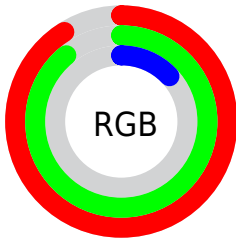
Format	Color
R _Y B	39, 231, 34
Decimal	15196706
CIE Lab	87.73, -17.13, 82.61
CIE LCh	88, 84.366, 101.715
Yxy	71.4971, 0.4195, 0.4963
Android (android.graphics.Color)	4293386786 (0xFFE7E222)
YUV	205.6070, -84.6023, 22.2697
Hunter-Lab	84.5560, -20.3822, 50.6850

Details

The XYZ color **60.4401, 71.4971, 12.1282** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **15.8095, 7.5612, 76.2270**, and the grayscale version is **58.9120, 61.9800, 67.4963**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **31.3575, 37.7837, 5.6403** is the 20% darker color. If you saturate the color by 10%, you get **60.0538, 71.0909, 10.8707**, and if you desaturate by 10%, it is **61.0536, 72.0004, 14.5652**.

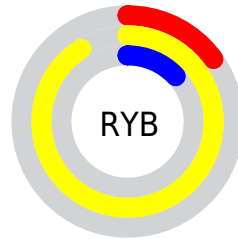
Distribution



Red (91%)

Green (89%)

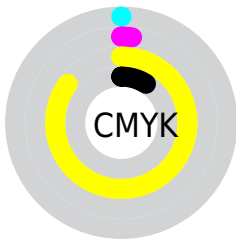
Blue (13%)



Red (15%)

Yellow (91%)

Blue (13%)

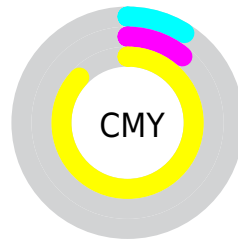


Cyan (0%)

Magenta (2%)

Yellow (85%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4401, 71.4971, 12.1282 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 60.4401, 71.4971, 12.1282 by changing the saturation by 10% instead.

60.4401, 71.4971,
12.1282

60.4401, 71.4971,
12.1282

416.0269,
465.7893, 216.2601

44.0243, 52.7480,
6.7074

104.5705,
121.3413, 30.3963

30.8876, 37.6016,
3.2042

133.0159,
153.2051, 44.0807

20.6647, 25.6736,
1.1998

166.2018,
190.2093, 61.3567

12.9902, 16.5796,
0.0000

204.4935,
232.7382, 82.6429

7.4987, 9.9352,
0.0000

248.2566,
281.1763, 108.3578

3.8250, 5.3560,
0.0000

297.8563,

1.6036, 2.4576,

335.9079, 138.9199

0.0000

353.6579,
397.3174, 174.7478

■ 0.3948, 0.8553,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4401, 71.4971,
12.1282

■ 60.4401, 71.4971,
12.1282

■ 60.0538, 71.0909,
10.8707

■ 61.0536, 72.0004,
14.5652

■ 59.9190, 70.9172,
10.5303

■ 61.9282, 72.6063,
18.3810

■ 63.0968, 73.3307,
23.7429

■ 64.5866, 74.1845,
30.7933

66.4216, 75.1771,
39.6584

68.6233, 76.3174,
50.4524

71.2118, 77.6132,
63.2803

74.2055, 79.0720,
78.2393

77.6217, 80.7007,
95.4205

Harmonies

Analogous

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



80.7537, 71.4971, 13.0991



60.4401, 71.4971, 12.1282



45.4369, 71.4971, 21.1688

Triad

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



60.4401, 71.4971, 12.1282



43.0949, 71.4971, 176.5829



111.4183, 71.4971, 117.7819

Complementary

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



60.4401, 71.4971, 12.1282



15.8095, 7.5612, 76.2270

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.



96.9034, 71.4971, 192.4471



60.4401, 71.4971, 12.1282



56.5870, 71.4971, 236.3129

Square

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



60.4401, 71.4971, 12.1282



36.8190, 71.4971, 102.4302



76.0702, 71.4971, 243.2297



113.0122, 71.4971, 57.5519

Rectangle

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



60.4401, 71.4971, 12.1282



39.3969, 71.4971, 36.4428



76.0702, 71.4971, 243.2297



107.7731, 71.4971, 142.5934

Sweetspot

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



60.4417, 71.5005, 12.1297



85.6190, 95.3736, 61.8699



33.9201, 18.2907, 3.8021



18.1122, 20.3041, 12.1916



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.



60.4417, 71.5005, 12.1297



74.9726, 88.7251, 13.1742



39.5241, 62.7622, 11.5455



15.5686, 16.7512, 15.3172



33.6064, 39.7869, 5.9084



2.4934, 2.9601, 0.4399

Inverse Universe

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



15.8095, 7.5612, 76.2270



18.1202, 7.3603, 95.0734



23.5914, 11.3453, 76.5472



13.6120, 13.9454, 18.1186



8.1353, 3.3327, 42.5977



0.6116, 0.2671, 3.1513

Previews

White Background



This preview shows how the XYZ color 60.4401, 71.4971, 12.1282 looks on a white background.

Color Contrast Check

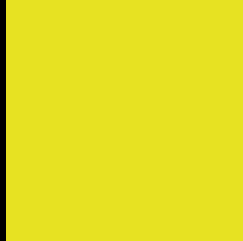
Large Text (above 18pt) WCAG AA × Fail

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 60.4401, 71.4971, 12.1282 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 60.4401, 71.4971, 12.1282

Background



This preview shows how black text looks on a background with the XYZ color 60.4401, 71.4971, 12.1282.



This preview shows how white text looks on a background with the XYZ color 60.4401, 71.4971,

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

60.4401, 71.4971, 12.1282

Protanopia

64.5653, 71.2471, 11.7156

Deuteranopia

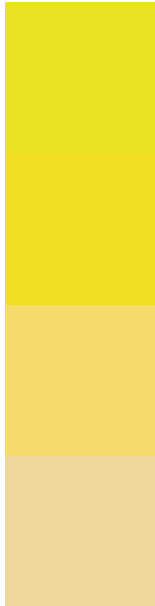
70.6202, 71.0829, 39.2764



Tritanopia

74.5679, 71.0517, 82.4572

Trichromacy



Original Color

60.4401, 71.4971, 12.1282

Protanomaly

63.0137, 71.2296, 11.8664

Deuteranomaly

65.7842, 70.8183, 24.3895

Tritanomaly

66.5769, 70.0713, 41.9144

Monochromacy



Original Color

60.4401, 71.4971, 12.1282

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

56.7765, 64.0187, 35.3510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4401, 71.4971, 12.1282 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(231, 226, 34)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 34)  
}
```

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(231, 226, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 34) }
```

Border

The CSS property to change the border of an element to XYZ 60.4401, 71.4971, 12.1282 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(231, 226, 34) }
```


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

```
.border{ border-color:rgb(231, 226, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 34);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4401, 71.4971, 12.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 34) }
```

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

```
.background{ background-color: rgb(231,  
226, 34) }
```

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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