

# Converting Colors

XYZ(60.3696, 74.1003, 14.7028)

Have a look what the booklet for  
XYZ(60.3696, 74.1003, 14.7028)  
contains.

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# Color

**XYZ(60.5690, 74.4010,  
14.7829)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E0E937                      |
| RGB         | 224, 233, 55                |
| RGB Percent | 88%, 91%, 22%               |
| CMY         | 0.1216, 0.0863, 0.7843      |
| CMYK        | 0.04, 0.00, 0.76, 0.09      |
| HSL         | 63°, 80%, 56%               |
| HSV         | 63°, 76%, 91%               |
| XYZ         | 60.5690, 74.4010, 14.7829   |
| YIQ         | 210.0170, 51.7740, -57.2660 |

# Conversions

## Conversions Part 2

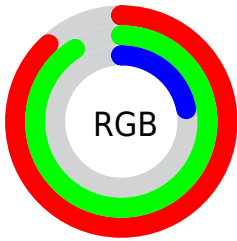
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 55, 233, 64                    |
| Decimal                             | 14739767                       |
| CIELab                              | 89.11, -22.80, 78.43           |
| CIElCh                              | 89, 81.680, 106.207            |
| Yxy                                 | 74.4010, 0.4045,<br>0.4968     |
| Android<br>(android.graphics.Color) | 4292929847<br>(0xFFE0E937)     |
| YUV                                 | 210.0170, -76.4234,<br>12.2631 |
| Hunter-Lab                          | 86.2560, -25.6053,<br>50.2179  |

# Details

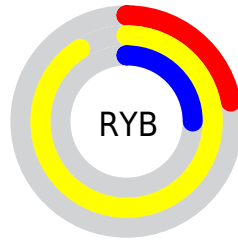
The XYZ color **60.5690, 74.4010, 14.7829** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **18.1907, 9.7071, 78.0104**, and the grayscale version is **61.7342, 64.9492, 70.7296**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **31.4374, 39.8401, 6.0330** is the 20% darker color. If you saturate the color by 10%, you get **59.7735, 74.0435, 12.4871**, and if you desaturate by 10%, it is **61.6339, 74.8721, 18.4691**.

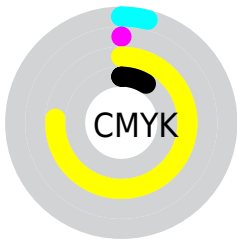
# Distribution



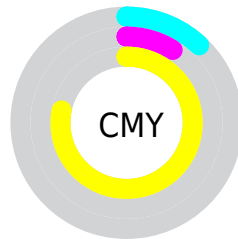
- Red (88%)
- Green (91%)
- Blue (22%)



- Red (22%)
- Yellow (91%)
- Blue (25%)



- Cyan (4%)
- Magenta (0%)
- Yellow (76%)
- Black (9%)




- Cyan (12%)
- Magenta (9%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5690, 74.4010, 14.7829 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 60.5690, 74.4010, 14.7829 by changing the saturation by 10% instead.





 60.5690, 74.4010,  
14.7829


 60.5690, 74.4010,  
14.7829


416.4931,  
475.8562, 233.6437

 44.1286, 55.1223,  
8.5222


 104.7563,  
125.4641, 35.2088


 30.9700, 39.4997,  
4.3384


 133.2339,  
158.0173, 50.2111


 20.7277, 27.1486,  
1.8127


 166.4547,  
195.7641, 68.9643

 13.0364, 17.6849,  
0.4363

 204.7840,  
239.0889, 91.8870

 7.5308, 10.7240,  
0.0000

 248.5871,  
288.3761, 119.3978

 3.8455, 5.8816,  
0.0000

298.2294,

 1.6151, 2.7732,

344.0102, 151.9151

0.0000

354.0763,  
406.3754, 189.8576

■ 0.4022, 1.0145,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.5690, 74.4010,  
14.7829

■ 60.5690, 74.4010,  
14.7829

■ 59.7735, 74.0435,  
12.4871

■ 61.6339, 74.8721,  
18.4691

■ 59.2012, 73.7728,  
11.3607

■ 62.9958, 75.4595,  
23.7137

■ 59.0253, 73.6874,  
11.1121

■ 64.6846, 76.1780,  
30.6662

■ 66.7250, 77.0374,  
39.4571

69.1394, 78.0467,  
50.2042

71.9484, 79.2141,  
63.0156

75.1709, 80.5473,  
77.9916

78.8249, 82.0533,  
95.2257

81.3232, 83.0973,  
106.3609

# Harmonies

## Analogous

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



80.2319, 74.4010, 14.4019



60.5690, 74.4010, 14.7829



46.5447, 74.4010, 26.3919

# Triad

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



60.5690, 74.4010, 14.7829



47.4123, 74.4010, 188.5914



114.7424, 74.4010, 110.0311

# Complementary

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



60.5690, 74.4010, 14.7829



18.1907, 9.7071, 78.0104

# 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.



102.0728, 74.4010, 182.9167



60.5690, 74.4010, 14.7829



61.9838, 74.4010, 240.7425

# Square

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



60.5690, 74.4010, 14.7829



39.9805, 74.4010, 115.5899



81.9372, 74.4010, 238.2817



114.1674, 74.4010, 54.1221



# Rectangle

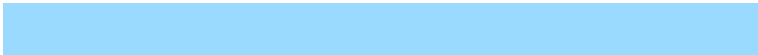
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.5690, 74.4010, 14.7829



41.1754, 74.4010, 44.3682



81.9372, 74.4010, 238.2817



111.8023, 74.4010, 133.7218

# Sweetspot

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



60.5707, 74.4044, 14.7844



85.9203, 96.2230, 66.4781



36.1242, 21.2569, 5.8144



18.1362, 20.4898, 13.0785



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.



60.5707, 74.4044, 14.7844



72.8966, 90.6496, 14.3357



39.8393, 63.7170, 13.8142



16.2722, 17.5859, 16.0555



33.5229, 41.8262, 6.3064



2.6555, 3.2963, 0.4963



# Inverse Universe

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



18.1907, 9.7071, 78.0104



18.9114, 8.0460, 95.1640



29.1947, 15.3799, 78.5253



14.3017, 14.5853, 18.9837



8.4603, 3.3974, 43.9528

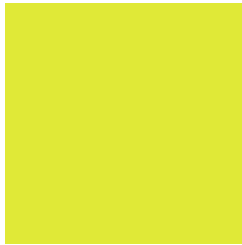


0.6893, 0.2796, 3.4525



# Previews

## White Background



This preview shows how the XYZ color 60.5690, 74.4010, 14.7829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

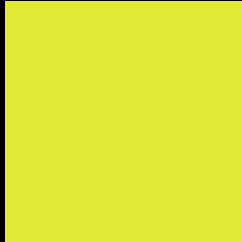
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.5690, 74.4010, 14.7829 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 60.5690, 74.4010, 14.7829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.5690, 74.4010, 14.7829.



This preview shows how white text looks on a background with the XYZ color 60.5690, 74.4010,



# 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

60.5690, 74.4010, 14.7829

### Protanopia

67.0819, 74.0776, 14.1310

### Deuteranopia

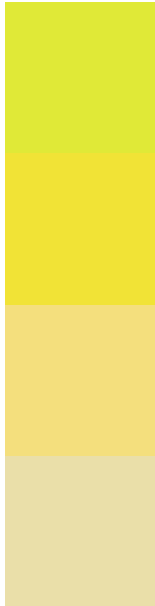
73.1029, 74.1194, 46.0508



## Tritanopia

75.2607, 73.9169, 88.1426

# Trichromacy



## Original Color

60.5690, 74.4010, 14.7829

## Protanomaly

64.4106, 73.9053, 14.3604

## Deuteranomaly

67.3976, 73.4891, 30.0346

## Tritanomaly

67.4808, 73.1324, 48.0955

# Monochromacy



## Original Color

60.5690, 74.4010, 14.7829

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

58.9285, 66.9230, 40.3834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5690, 74.4010, 14.7829 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(224, 233, 55)` looks like.

```
.text, #text, p{  
    color:rgb(224, 233, 55)  
}
```

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(224, 233, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5690, 74.4010, 14.7829 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(224, 233, 55) }
```



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

```
.border{ border-color:rgb(224, 233, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 233, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 55);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
55) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5690, 74.4010, 14.7829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 55) }
```

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

```
.background{ background-color: rgb(224,  
233, 55) }
```

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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