

# Converting Colors

XYZ(63.1753, 74.9976, 11.1522)

Have a look what the booklet for  
XYZ(63.1753, 74.9976, 11.1522)  
contains.

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# **Color**

**XYZ(63.1680, 74.9847,  
11.1442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE700
RGB	236, 231, 0
RGB Percent	93%, 91%, 0%
CMY	0.0745, 0.0941, 0.9999
CMYK	0.00, 0.02, 1.00, 0.07
HSL	59°, 100%, 46%
HSV	59°, 100%, 93%
XYZ	63.1680, 74.9847, 11.1442
YIQ	206.1610, 77.1310, -70.7810

# Conversions

## Conversions Part 2

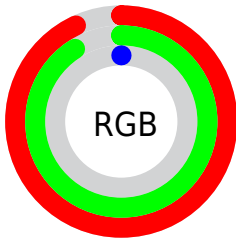
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	5, 236, 0
Decimal	15525632
CIE Lab	89.39, -17.91, 88.15
CIE LCh	89, 89.948, 101.486
Yxy	74.9847, 0.4231, 0.5023
Android (android.graphics.Color)	4293715712 (0xFFECE700)
YUV	206.1610, -101.6374, 26.1688
Hunter-Lab	86.5937, -21.3276, 52.9853

# Details

The XYZ color **63.1680, 74.9847, 11.1442** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **15.1952, 6.1654, 79.7454**, and the grayscale version is **59.3700, 62.4619, 68.0210**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **33.2045, 40.1646, 6.0025** is the 20% darker color. If you saturate the color by 10%, you get **63.1693, 74.9878, 11.1447**, and if you desaturate by 10%, it is **63.4706, 75.3325, 12.0396**.

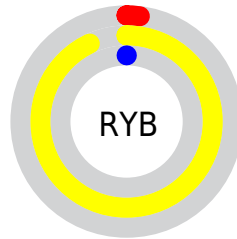
# Distribution



Red (93%)

Green (91%)

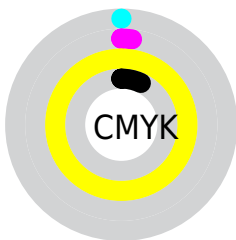
Blue (0%)



Red (2%)

Yellow (93%)

Blue (0%)

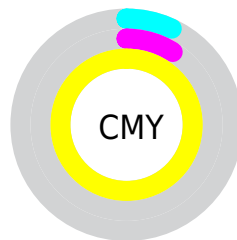


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (9%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1680, 74.9847, 11.1442 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 63.1680, 74.9847, 11.1442 by changing the saturation by 10% instead.




 63.1680, 74.9847,  
11.1442


 63.1680, 74.9847,  
11.1442


425.8289,  
477.8650, 209.4270


 46.2363, 55.6004,  
6.0485


 108.4923,  
126.2907, 28.5672


 32.6377, 39.8826,  
2.8053


 137.6156,  
158.9812, 41.7316


 22.0070, 27.4470,  
0.9961


 171.5335,  
196.8758, 58.4227

 13.9787, 17.9092,  
0.0000

 210.6113,  
240.3589, 79.0590

 8.1874, 10.8848,  
0.0000

 255.2144,  
289.8150, 104.0591

 4.2679, 5.9894,  
0.0000

 305.7081,

 1.8548, 2.8387,

345.6285, 133.8414

0.0000

362.4578,  
408.1837, 168.8245

■ 0.5504, 1.0481,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1680, 74.9847,  
11.1442

■ 63.1680, 74.9847,  
11.1442

■ 63.1693, 74.9878,  
11.1447

■ 63.4706, 75.3325,  
12.0396

■ 63.9677, 75.7560,  
13.9649

■ 64.7226, 76.2832,  
17.2460

■ 65.7716, 76.9287,  
22.0739

67.1453, 77.7046,  
28.6092

68.8703, 78.6218,  
36.9924

70.9704, 79.6896,  
47.3494

73.4676, 80.9169,  
59.7951

76.3819, 82.3117,  
74.4355

# Harmonies

## Analogous

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



85.5774, 74.9847, 12.1954



63.1680, 74.9847, 11.1442



46.7425, 74.9847, 20.3338

# Triad

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



63.1680, 74.9847, 11.1442



44.0268, 74.9847, 191.1872



119.4274, 74.9847, 126.5165

# Complementary

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



63.1680, 74.9847, 11.1442



15.1952, 6.1654, 79.7454

# 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.



103.1566, 74.9847, 210.3253



63.1680, 74.9847, 11.1442



58.6546, 74.9847, 259.0398

# Square

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



63.1680, 74.9847, 11.1442



37.3111, 74.9847, 108.2490



80.0383, 74.9847, 267.4349



121.3324, 74.9847, 59.8024



# Rectangle

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



63.1680, 74.9847, 11.1442



40.1660, 74.9847, 36.3643



80.0383, 74.9847, 267.4349



115.3214, 74.9847, 154.2839

# Sweetspot

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



63.1697, 74.9882, 11.1457



84.5720, 94.9861, 56.2599



34.6354, 17.8507, 1.8469



17.8635, 20.2110, 10.8627



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.



63.1697, 74.9882, 11.1457



75.3028, 89.3857, 13.2843



38.5821, 64.4171, 10.4012



16.3230, 17.5691, 16.0496



34.8333, 41.3608, 6.1475



2.7440, 3.2652, 0.4856



# Inverse Universe

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



15.1952, 6.1654, 79.7454



18.1086, 7.3371, 95.0695



21.5897, 9.3815, 80.0292



14.2568, 14.5999, 18.9889



8.3872, 3.4214, 43.9613

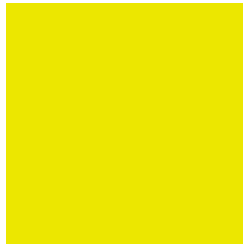


0.6676, 0.2867, 3.4550



# Previews

## White Background



This preview shows how the XYZ color 63.1680, 74.9847, 11.1442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

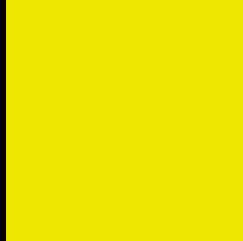
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1680, 74.9847, 11.1442 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 63.1680, 74.9847, 11.1442

## Background



This preview shows how black text looks on a background with the XYZ color 63.1680, 74.9847, 11.1442.



This preview shows how white text looks on a background with the XYZ color 63.1680, 74.9847,



# 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

63.1680, 74.9847, 11.1442

### Protanopia

67.4332, 74.7331, 10.8708

### Deuteranopia

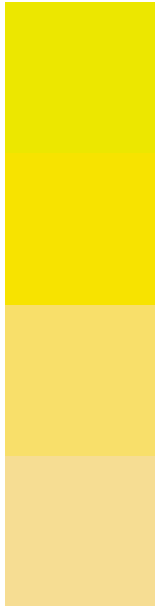
73.5466, 74.7131, 47.1040



## **Tritanopia**

78.5079, 74.8796, 85.9167

# Trichromacy



## Original Color

63.1680, 74.9847, 11.1442

## Protanomaly

65.8269, 74.7123, 10.9515

## Deuteranomaly

67.7006, 73.7724, 24.3070

## Tritanomaly

69.1289, 73.4123, 38.1303

# Monochromacy



## Original Color

63.1680, 74.9847, 11.1442

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.0124, 64.9913, 31.0124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1680, 74.9847, 11.1442 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(236, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 0)  
}
```

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(236, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1680, 74.9847, 11.1442 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(236, 231, 0) }
```



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

```
.border{ border-color:rgb(236, 231, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 231, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1680, 74.9847, 11.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 0) }
```

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

```
.background{ background-color: rgb(236,  
231, 0) }
```

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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