

# Converting Colors

XYZ(61.1816, 74.3650, 11.9504)

Have a look what the booklet for  
XYZ(61.1816, 74.3650, 11.9504)  
contains.

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# Color

**XYZ(61.3244, 74.4331,  
11.9455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E817
RGB	229, 232, 23
RGB Percent	90%, 91%, 9%
CMY	0.1020, 0.0902, 0.9097
CMYK	0.01, 0.00, 0.90, 0.09
HSL	61°, 82%, 50%
HSV	61°, 90%, 91%
XYZ	61.3244, 74.4331, 11.9455
YIQ	207.2770, 65.3010, -65.6350

# Conversions

## Conversions Part 2

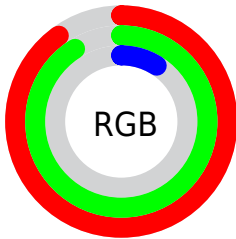
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 232, 26
Decimal	15067159
CIE <sub>Lab</sub>	89.13, -21.08, 85.51
CIE <sub>LCh</sub>	89, 88.070, 103.850
Yxy	74.4331, 0.4152, 0.5039
Android (android.graphics.Color)	4293257239 (0xFFE5E817)
YUV	207.2770, -90.8486, 19.0511
Hunter-Lab	86.2746, -24.1020, 52.1830

# Details

The XYZ color **61.3244, 74.4331, 11.9455** 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 **15.2998, 6.6600, 76.8277**, and the grayscale version is **60.0283, 63.1545, 68.7752**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **32.0843, 39.8793, 6.0065** is the 20% darker color. If you saturate the color by 10%, you get **61.0657, 74.3202, 11.1267**, and if you desaturate by 10%, it is **61.7753, 74.6286, 13.7563**.

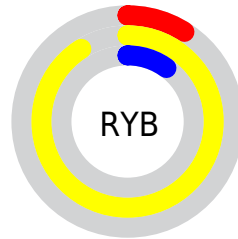
# Distribution



Red (90%)

Green (91%)

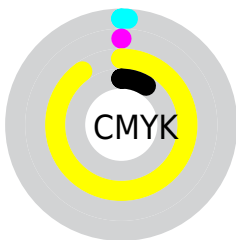
Blue (9%)



Red (9%)

Yellow (91%)

Blue (10%)

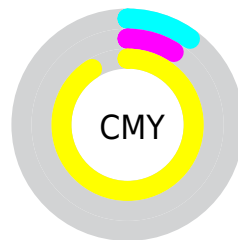


Cyan (1%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (10%)

Magenta (9%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3244, 74.4331, 11.9455 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 61.3244, 74.4331, 11.9455 by changing the saturation by 10% instead.




 61.3244, 74.4331,  
11.9455


 61.3244, 74.4331,  
11.9455


419.2194,  
475.9668, 215.0092

 44.7406, 55.1486,  
6.5845


 105.8440,  
125.5096, 30.0587

 31.4535, 39.5207,  
3.1292


 134.5104,  
158.0703, 43.6480


 21.0980, 27.1650,  
1.1610

 167.9350,  
195.8253, 60.8171

 13.3085, 17.6972,  
0.0000

 206.4833,  
239.1588, 81.9846

 7.7198, 10.7328,  
0.0000

 250.5205,  
288.4553, 107.5691

 3.9665, 5.8875,  
0.0000

 300.4120,

 1.6832, 2.7768,

344.0992, 137.9889

0.0000

356.5232,  
406.4749, 173.6628

■ 0.4457, 1.0163,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.3244, 74.4331,  
11.9455

■ 61.3244, 74.4331,  
11.9455

■ 61.0657, 74.3202,  
11.1267

■ 61.7753, 74.6286,  
13.7563

■ 62.4719, 74.9196,  
16.8670

■ 63.4507, 75.3234,  
21.4625

■ 64.7409, 75.8519,  
27.6970

■ 66.3682, 76.5152,  
35.7051

■ 68.3554, 77.3226,  
45.6079

■ 70.7235, 78.2823,  
57.5155

■ 73.4920, 79.4021,  
71.5298

■ 76.6787, 80.6893,  
87.7458

# Harmonies

## Analogous

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



82.8520, 74.4331, 12.2913



61.3244, 74.4331, 11.9455



45.8446, 74.4331, 22.2153

# Triad

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



61.3244, 74.4331, 11.9455



44.9732, 74.4331, 193.5270



118.2260, 74.4331, 118.5473

# Complementary

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



61.3244, 74.4331, 11.9455



15.2998, 6.6600, 76.8277

# 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.



103.3437, 74.4331, 199.5811



61.3244, 74.4331, 11.9455



59.8815, 74.4331, 255.7203

# Square

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



61.3244, 74.4331, 11.9455



37.7780, 74.4331, 112.7410



81.0872, 74.4331, 258.3704



118.8307, 74.4331, 55.9274



# Rectangle

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



61.3244, 74.4331, 11.9455



39.8029, 74.4331, 39.3325



81.0872, 74.4331, 258.3704



114.6100, 74.4331, 145.0572

# Sweetspot

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



61.3261, 74.4366, 11.9470



85.5154, 96.1442, 60.5886



33.7423, 17.8323, 2.4751



18.1016, 20.4968, 11.9549



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.



61.3261, 74.4366, 11.9470



75.6630, 92.0908, 13.7874



37.8421, 62.3301, 10.8480



15.5800, 16.8061, 15.3272



33.9091, 41.2623, 6.1772



2.5124, 3.0525, 0.4568



# Inverse Universe

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



15.2998, 6.6600, 76.8277



18.0959, 7.2437, 95.0521



23.7020, 10.9915, 77.2209



13.6019, 13.8970, 18.1098



8.1183, 3.2510, 42.5828

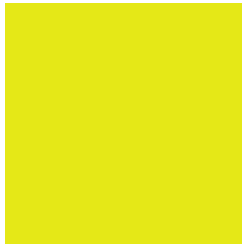


0.6067, 0.2438, 3.1470



# Previews

## White Background



This preview shows how the XYZ color 61.3244, 74.4331, 11.9455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

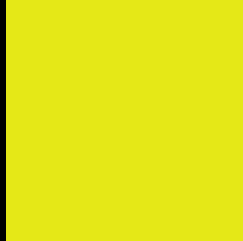
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.3244, 74.4331, 11.9455 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 61.3244, 74.4331, 11.9455

## Background



This preview shows how black text looks on a background with the XYZ color 61.3244, 74.4331, 11.9455.



This preview shows how white text looks on a background with the XYZ color 61.3244, 74.4331,



# 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

61.3244, 74.4331, 11.9455

### Protanopia

66.9268, 74.0573, 11.4289

### Deuteranopia

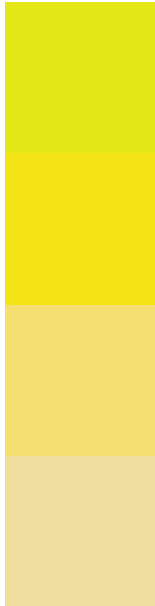
73.1029, 74.1194, 46.0508



## Tritanopia

76.5721, 74.2280, 87.3825

# Trichromacy



## Original Color

61.3244, 74.4331, 11.9455

## Protanomaly

64.9127, 74.2254, 11.6151

## Deuteranomaly

67.3743, 73.5604, 26.2704

## Tritanomaly

67.8037, 73.0276, 42.4204

# Monochromacy



## Original Color

61.3244, 74.4331, 11.9455

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.3138, 65.4523, 34.4237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.3244, 74.4331, 11.9455 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(229, 232, 23)` looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 23)  
}
```

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(229, 232, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 23) }
```

## Border

The CSS property to change the border of an element to XYZ 61.3244, 74.4331, 11.9455 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(229, 232, 23) }
```



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

```
.border{ border-color:rgb(229, 232, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 232, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 23);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
23) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.3244, 74.4331, 11.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 23) }
```

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

```
.background{ background-color: rgb(229,  
232, 23) }
```

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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