

# Converting Colors

XYZ(62.1222, 72.6550, 11.3610)

Have a look what the booklet for  
XYZ(62.1222, 72.6550, 11.3610)  
contains.

<b>XYZ(62.1787, 72.8181, 11.3942)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(62.1787, 72.8181,  
11.3942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE313
RGB	236, 227, 19
RGB Percent	93%, 89%, 7%
CMY	0.0745, 0.1098, 0.9254
CMYK	0.00, 0.04, 0.92, 0.07
HSL	58°, 85%, 50%
HSV	58°, 92%, 93%
XYZ	62.1787, 72.8181, 11.3942
YIQ	205.9790, 72.1320, -62.7800

# Conversions

## Conversions Part 2

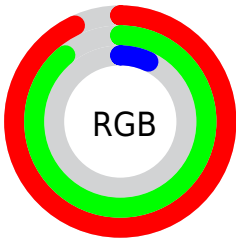
Format	Color
R <sub>Y</sub> B	28, 236, 19
Decimal	15524627
CIE Lab	88.36, -15.78, 85.68
CIE LCh	88, 87.126, 100.437
Yxy	72.8181, 0.4247, 0.4974
Android (android.graphics.Color)	4293714707 (0xFFECE313)
YUV	205.9790, -92.1806, 26.3284
Hunter-Lab	85.3335, -19.2687, 51.8167

# Details

The XYZ color **62.1787, 72.8181, 11.3942** 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 **15.8247, 7.0258, 79.8782**, and the grayscale version is **59.1953, 62.2780, 67.8208**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **32.4317, 38.6190, 5.7449** is the 20% darker color. If you saturate the color by 10%, you get **61.8475, 72.3442, 10.7041**, and if you desaturate by 10%, it is **62.7600, 73.4827, 13.1248**.

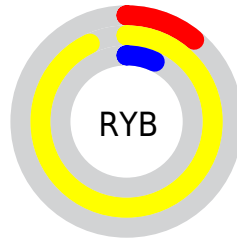
# Distribution



Red (93%)

Green (89%)

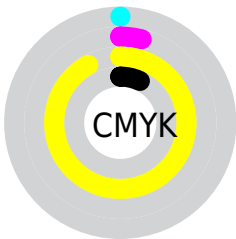
Blue (7%)



Red (11%)

Yellow (93%)

Blue (7%)

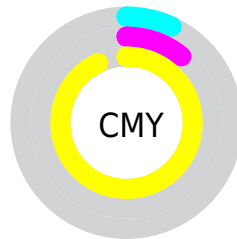


Cyan (0%)

Magenta (4%)

Yellow (92%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1787, 72.8181, 11.3942 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 62.1787, 72.8181, 11.3942 by changing the saturation by 10% instead.



62.1787, 72.8181,  
11.3942

62.1787, 72.8181,  
11.3942

422.2898,  
470.3841, 211.1860

45.4333, 53.8272,  
6.2151

107.0722,  
123.2189, 29.0346

32.0016, 38.4636,  
2.9054

135.9510,  
155.3977, 42.3329

21.5182, 26.3427,  
1.0466

169.6050,  
192.7413, 59.1748

13.6180, 17.0802,  
0.0000

208.3995,  
235.6339, 79.9788

7.9353, 10.2917,  
0.0000

252.6999,  
284.4602, 105.1633

4.1051, 5.5928,  
0.0000

302.8715,

1.7617, 2.5991,

339.6044, 135.1470

0.0000

359.2797,  
401.4509, 170.3484

■ 0.4945, 0.9262,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.1787, 72.8181,  
11.3942

■ 62.1787, 72.8181,  
11.3942

■ 61.8475, 72.3442,  
10.7041

■ 62.7600, 73.4827,  
13.1248

■ 63.5906, 74.2466,  
16.1677

■ 64.7099, 75.1285,  
20.7232

■ 66.1493, 76.1408,  
26.9570

■ 67.9361, 77.2946,  
35.0128

■ 70.0948, 78.5996,  
45.0191

■ 72.6475, 80.0646,  
57.0928

■ 75.6147, 81.6979,  
71.3416

■ 79.0153, 83.5070,  
87.8656

# Harmonies

## Analogous

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



83.5696, 72.8181, 12.7456



62.1787, 72.8181, 11.3942



46.2665, 72.8181, 19.9629

# Triad

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



62.1787, 72.8181, 11.3942



42.8929, 72.8181, 179.9094



114.4426, 72.8181, 124.4429

# Complementary

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



62.1787, 72.8181, 11.3942



15.8247, 7.0258, 79.8782

# 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.



98.7102, 72.8181, 203.2253



62.1787, 72.8181, 11.3942



56.5999, 72.8181, 244.8615

# Square

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



62.1787, 72.8181, 11.3942



36.7162, 72.8181, 102.0350



76.7554, 72.8181, 255.0582



116.7740, 72.8181, 60.1985



# Rectangle

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



62.1787, 72.8181, 11.3942



39.7932, 72.8181, 34.9559



76.7554, 72.8181, 255.0582



110.4160, 72.8181, 150.7685

# Sweetspot

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



62.1803, 72.8215, 11.3957



84.6731, 94.3504, 58.8766



35.0576, 18.3922, 2.9218



17.8562, 20.0389, 11.3451



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.



62.1803, 72.8215, 11.3957



73.7207, 86.2215, 12.7569



40.6535, 65.4713, 11.1115



16.2953, 17.5136, 16.0403



34.1164, 39.9270, 5.9086



2.6956, 3.1685, 0.4695



# Inverse Universe

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



15.8247, 7.0258, 79.8782



18.1648, 7.4496, 95.0883



22.6639, 10.2809, 80.1461



14.2813, 14.6490, 18.9971



8.4271, 3.5011, 43.9746

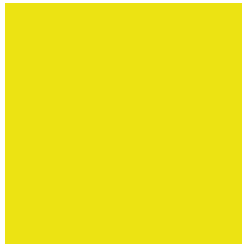


0.6794, 0.3103, 3.4590



# Previews

## White Background



This preview shows how the XYZ color 62.1787, 72.8181, 11.3942 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

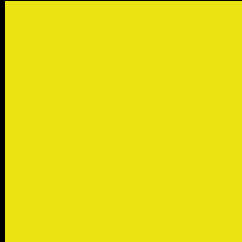
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1787, 72.8181, 11.3942 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 62.1787, 72.8181, 11.3942

## Background



This preview shows how black text looks on a background with the XYZ color 62.1787, 72.8181, 11.3942.



This preview shows how white text looks on a background with the XYZ color 62.1787, 72.8181,



# 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

62.1787, 72.8181, 11.3942

### Protanopia

65.6468, 72.6070, 11.0849

### Deuteranopia

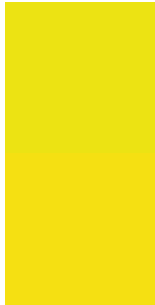
71.8817, 72.8061, 42.1627



## Tritanopia

76.7222, 72.5140, 83.3517

# Trichromacy



## Original Color

62.1787, 72.8181, 11.3942

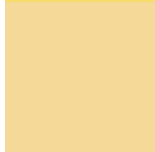
## Protanomaly

64.4210, 72.7675, 11.2224



## Deuteranomaly

66.9584, 72.2044, 24.3177



## Tritanomaly

68.1365, 71.3052, 39.8779

# Monochromacy



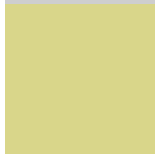
## Original Color

62.1787, 72.8181, 11.3942



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

57.2493, 64.6798, 33.5119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1787, 72.8181, 11.3942 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, 227, 19)` looks like.

```
.text, #text, p{  
    color:rgb(236, 227, 19)  
}
```

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, 227, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 227, 19) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1787, 72.8181, 11.3942 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, 227, 19) }
```



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

```
.border{ border-color:rgb(236, 227, 19) }
```

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

Here you see how a box with a 4 pixel rgb(236, 227, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 227, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 227, 19);  
box-shadow:4px 4px 4px 4px rgb(236, 227,  
19) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1787, 72.8181, 11.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 227, 19) }
```

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

```
.background{ background-color: rgb(236,  
227, 19) }
```

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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