

# Converting Colors

XYZ(57.2401, 67.1407, 9.9426)

Have a look what the booklet for  
XYZ(57.2401, 67.1407, 9.9426)  
contains.

<b>XYZ(57.3264, 67.1570, 9.9412)</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(57.3264, 67.1570,  
9.9412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DB00
RGB	228, 219, 0
RGB Percent	89%, 86%, 0%
CMY	0.1059, 0.1412, 0.9999
CMYK	0.00, 0.04, 1.00, 0.11
HSL	58°, 100%, 45%
HSV	58°, 100%, 89%
XYZ	57.3264, 67.1570, 9.9412
YIQ	196.7250, 75.6630, -66.2010

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	9, 228, 0
Decimal	14998272
CIE Lab	85.58, -15.41, 85.09
CIE LCh	86, 86.469, 100.265
Yxy	67.1570, 0.4265, 0.4996
Android (android.graphics.Color)	4293188352 (0xFFE4DB00)
YUV	196.7250, -96.9854, 27.4282
Hunter-Lab	81.9494, -18.5445, 50.1721

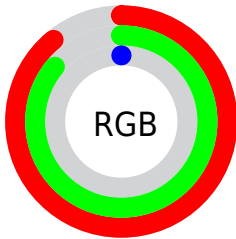
# Details

The XYZ color **57.3264, 67.1570, 9.9412** 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 **14.1018, 5.7974, 73.7739**, and the grayscale version is **53.4432, 56.2264, 61.2306**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **29.4239, 34.8757, 5.1809** is the 20% darker color. If you saturate the color by 10%, you get **57.3274, 67.1595, 9.9416**, and if you desaturate by 10%, it is **57.7160, 67.6919, 10.8256**.

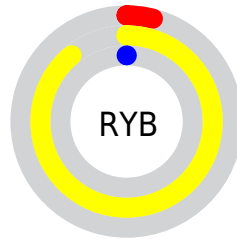
# Distribution



Red (89%)

Green (86%)

Blue (0%)



Red (4%)

Yellow (89%)

Blue (0%)

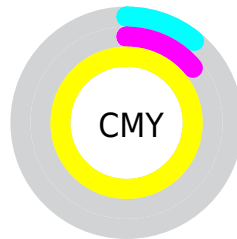


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (14%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3264, 67.1570, 9.9412 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 57.3264, 67.1570, 9.9412 by changing the saturation by 10% instead.



57.3264, 67.1570,  
9.9412

57.3264, 67.1570,  
9.9412

404.6657,  
450.5034, 200.7214

41.5085, 49.2122,  
5.2549

100.0699,  
115.1453, 26.2909

28.9061, 34.7879,  
2.3362

127.7262,  
145.9577, 38.7914

19.1537, 23.4995,  
0.7514

160.0594,  
181.8281, 54.7337

11.8861, 14.9628,  
0.0000

197.4348,  
223.1408, 74.5364

6.7378, 8.7933,  
0.0000

240.2178,  
270.2803, 98.6180

3.3435, 4.6066,  
0.0000

288.7737,

1.3379, 2.0183,

323.6310, 127.3970

0.0000

343.4679,  
383.5772, 161.2919

■ 0.2113, 0.6181,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3264, 67.1570,  
9.9412

■ 57.3264, 67.1570,  
9.9412

■ 57.3274, 67.1595,  
9.9416

■ 57.7160, 67.6919,  
10.8256

■ 58.2855, 68.2982,  
12.6575

■ 59.0940, 69.0021,  
15.7420

■ 60.1748, 69.8170,  
20.2540

■ 61.5559, 70.7541,  
26.3409

■ 63.2617, 71.8231,  
34.1317

■ 65.3143, 73.0328,  
43.7421

■ 67.7337, 74.3913,  
55.2778

■ 70.5384, 75.9060,  
68.8361

# Harmonies

## Analogous

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



77.4708, 67.1570, 11.2158



57.3264, 67.1570, 9.9412



42.3762, 67.1570, 17.7043

# Triad

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



57.3264, 67.1570, 9.9412



39.1044, 67.1570, 167.8323



106.4522, 67.1570, 116.1296

# Complementary

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



57.3264, 67.1570, 9.9412



14.1018, 5.7974, 73.7739

# 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.



91.5244, 67.1570, 190.8086



57.3264, 67.1570, 9.9412



51.8937, 67.1570, 229.7750

# Square

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



57.3264, 67.1570, 9.9412



33.3822, 67.1570, 94.1692



70.8093, 67.1570, 239.8476



108.7410, 67.1570, 55.4716



# Rectangle

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



57.3264, 67.1570, 9.9412



36.3028, 67.1570, 31.4853



70.8093, 67.1570, 239.8476



102.6202, 67.1570, 141.0681

# Sweetspot

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



57.3279, 67.1602, 9.9426



84.1310, 94.1041, 56.1129



32.0579, 16.5196, 1.8287



17.7561, 19.9960, 10.8268



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.



57.3279, 67.1602, 9.9426



73.8745, 86.5290, 12.8082



36.2612, 59.8775, 9.6472



15.5503, 16.7145, 15.3111



33.1247, 38.8236, 5.7478



2.4631, 2.8994, 0.4298



# Inverse Universe

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



14.1018, 5.7974, 73.7739



18.1592, 7.4384, 95.0864



19.5533, 8.4629, 74.0010



13.6282, 13.9778, 18.1240



8.1626, 3.3873, 42.6068

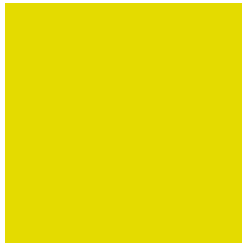


0.6194, 0.2827, 3.1539



# Previews

## White Background



This preview shows how the XYZ color 57.3264, 67.1570, 9.9412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

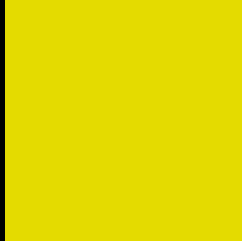
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3264, 67.1570, 9.9412 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 57.3264, 67.1570, 9.9412**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3264, 67.1570, 9.9412.



This preview shows how white text looks on a background with the XYZ color 57.3264, 67.1570,



# 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

57.3264, 67.1570, 9.9412

### Protanopia

60.3222, 66.7939, 9.7132

### Deuteranopia

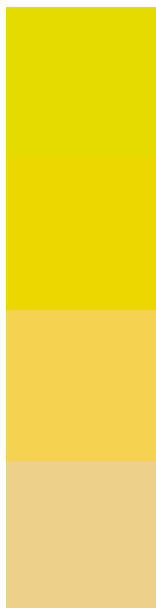
67.0130, 66.8833, 28.7798



## Tritanopia

70.9970, 67.1774, 76.2424

# Trichromacy



## Original Color

57.3264, 67.1570, 9.9412

## Protanomaly

59.1479, 66.9446, 9.8042

## Deuteranomaly

62.3984, 66.5802, 17.1519

## Tritanomaly

62.3857, 65.4695, 33.7749

# Monochromacy



## Original Color

57.3264, 67.1570, 9.9412

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

51.5454, 58.5532, 27.9872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3264, 67.1570, 9.9412 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(228, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 219, 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(228, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 219, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3264, 67.1570, 9.9412 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(228, 219, 0) }
```



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

```
.border{ border-color:rgb(228, 219, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 219,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3264, 67.1570, 9.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 219, 0) }
```

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

```
.background{ background-color: rgb(228,  
219, 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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