

# Converting Colors

XYZ(59.3618, 64.0612, 23.6571)

Have a look what the booklet for  
XYZ(59.3618, 64.0612, 23.6571)  
contains.

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# Color

**XYZ(59.4925, 64.1975,  
23.7238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD16D
RGB	234, 209, 109
RGB Percent	92%, 82%, 43%
CMY	0.0824, 0.1804, 0.5725
CMYK	0.00, 0.11, 0.53, 0.08
HSL	48°, 75%, 67%
HSV	48°, 53%, 92%
XYZ	59.4925, 64.1975, 23.7238
YIQ	205.0750, 47.0000, -25.8000

# Conversions

## Conversions Part 2

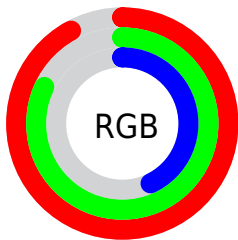
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 234, 109
Decimal	15389037
CIELab	84.07, -3.62, 52.18
CIELCh	84, 52.310, 93.973
Yxy	64.1975, 0.4036, 0.4355
Android (android.graphics.Color)	4293579117 (0xFFEAD16D)
YUV	205.0750, -47.3650, 25.3672
Hunter-Lab	80.1233, -7.6776, 38.5311

# Details

The XYZ color **59.4925, 64.1975, 23.7238** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.6829, 26.2411, 81.3422**, and the grayscale version is **58.3485, 61.3872, 66.8506**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **30.3644, 32.9682, 8.6340** is the 20% darker color. If you saturate the color by 10%, you get **57.2661, 61.4993, 17.5728**, and if you desaturate by 10%, it is **62.0910, 67.1032, 31.6543**.

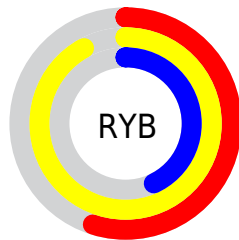
# Distribution



Red (92%)

Green (82%)

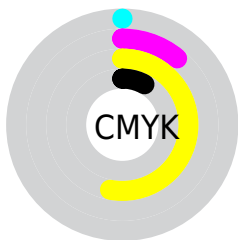
Blue (43%)



Red (55%)

Yellow (92%)

Blue (43%)

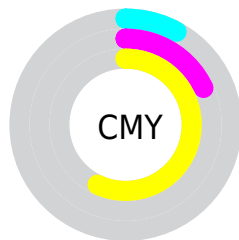


Cyan (0%)

Magenta (11%)

Yellow (53%)

Black (8%)



Cyan (8%)

Magenta (18%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4925, 64.1975, 23.7238 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 59.4925, 64.1975, 23.7238 by changing the saturation by 10% instead.



■ 59.4925, 64.1975,  
23.7238

■ 59.4925, 64.1975,  
23.7238

412.5894,  
439.9025, 284.6626

■ 43.2576, 46.8107,  
14.9186

■ 103.2037,  
110.8953, 50.5173

■ 30.2827, 32.8860,  
8.6163

■ 131.4106,  
140.9751, 69.3426

■ 20.2024, 22.0391,  
4.3984

■ 164.3390,  
176.0546, 92.3450

■ 12.6514, 13.8857,  
1.8463

■ 202.3542,  
216.5183, 119.9431

■ 7.2643, 8.0412,  
0.4583

245.8214,  
262.7505, 152.5553

■ 3.6757, 4.1213,  
0.0000

295.1061,

■ 1.5204, 1.7417,

315.1357, 190.6003

0.0000

350.5737,  
374.0582, 234.4965

■ 0.3396, 0.4504,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.4925, 64.1975,  
23.7238

■ 59.4925, 64.1975,  
23.7238

■ 57.2661, 61.4993,  
17.5728

■ 62.0910, 67.1032,  
31.6543

■ 55.3796, 58.9883,  
13.0537


■ 65.0815, 70.2178,  
41.4883


■ 53.8028, 56.6541,  
10.0020


■ 68.4879, 73.5535,  
53.3430


■ 52.4972, 54.4809,  
8.2161


■ 72.3307, 77.1191,  
67.3253


 51.7466, 53.1225,  
7.5263

 76.6290, 80.9226,  
83.5344

 81.4006, 84.9715,  
102.0631

 83.6619, 88.0729,  
107.1981

 85.0705, 90.8903,  
107.6676

 86.5151, 93.7794,  
108.1491

# Harmonies

## Analogous

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



71.2866, 64.1975, 26.9203



59.4925, 64.1975, 23.7238



49.4341, 64.1975, 29.3202

# Triad

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



59.4925, 64.1975, 23.7238



44.3969, 64.1975, 111.7875



83.2193, 64.1975, 101.6743

# Complementary

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



59.4925, 64.1975, 23.7238



29.6829, 26.2411, 81.3422

# 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.



74.2829, 64.1975, 136.9945



59.4925, 64.1975, 23.7238



51.7858, 64.1975, 144.0100

# Square

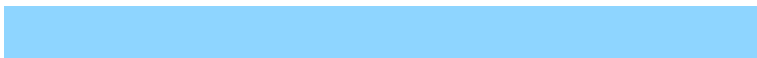
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.4925, 64.1975, 23.7238



41.4425, 64.1975, 74.3986



62.5689, 64.1975, 154.4444



85.9518, 64.1975, 65.5868



# Rectangle

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



59.4925, 64.1975, 23.7238



44.7672, 64.1975, 38.7773



62.5689, 64.1975, 154.4444



80.7903, 64.1975, 114.3599

# Sweetspot

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



59.4940, 64.2005, 23.7251



86.6156, 92.5501, 77.0512



43.7038, 30.1516, 26.0715



18.3294, 19.6161, 15.7247



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.



59.4940, 64.2005, 23.7251



69.3821, 74.4673, 20.7962



55.0786, 71.7527, 25.4155



16.0813, 17.0855, 15.9690



29.1700, 30.0343, 4.2598



2.3554, 2.4882, 0.3561



# Inverse Universe

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



29.6829, 26.2411, 81.3422



29.7056, 24.0089, 97.6763



32.2637, 23.0355, 80.5875



14.4751, 15.0366, 19.0617



8.9826, 4.6122, 44.1598



0.7717, 0.4948, 3.4897



# Previews

## White Background



This preview shows how the XYZ color 59.4925, 64.1975, 23.7238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

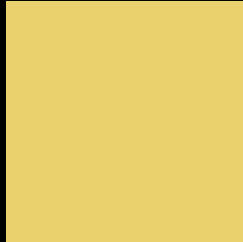
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4925, 64.1975, 23.7238 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 59.4925, 64.1975, 23.7238**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4925, 64.1975, 23.7238.



This preview shows how white text looks on a background with the XYZ color 59.4925, 64.1975,

23.7238.

# 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

59.4925, 64.1975, 23.7238

### Protanopia

58.7619, 64.1862, 23.7601

### Deuteranopia

65.1643, 63.8766, 26.0344



## Tritanopia

69.2847, 63.9697, 71.6465

# Trichromacy



## Original Color

59.4925, 64.1975, 23.7238

## Protanomaly

59.0856, 64.3531, 23.7752

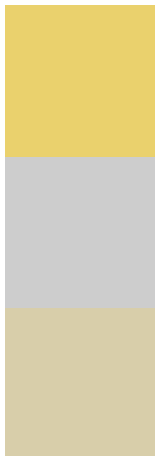
## Deuteranomaly

62.8082, 63.7238, 25.2092

## Tritanomaly

64.5597, 63.3937, 49.3910

# Monochromacy



## Original Color

59.4925, 64.1975, 23.7238

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.6459, 61.6438, 46.8904

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4925, 64.1975, 23.7238 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(234, 209, 109)` looks like.

```
.text, #text, p{  
    color:rgb(234, 209, 109)  
}
```

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(234, 209, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 209, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4925, 64.1975, 23.7238 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(234, 209, 109) }
```



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

```
.border{ border-color:rgb(234, 209, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 209, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 209, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 209, 109);  
box-shadow:4px 4px 4px 4px rgb(234, 209,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4925, 64.1975, 23.7238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 209, 109) }
```

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

```
.background{ background-color: rgb(234,  
209, 109) }
```

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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