

# Converting Colors

XYZ(44.7192, 43.7594, 7.3160)

Have a look what the booklet for  
XYZ(44.7192, 43.7594, 7.3160)  
contains.

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# Color

**XYZ(44.6684, 43.7870,  
7.3257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFA81E
RGB	223, 168, 30
RGB Percent	87%, 66%, 12%
CMY	0.1255, 0.3412, 0.8823
CMYK	0.00, 0.25, 0.87, 0.13
HSL	43°, 76%, 50%
HSV	43°, 87%, 87%
XYZ	44.6684, 43.7870, 7.3257
YIQ	168.7130, 77.0780, -31.2580

# Conversions

## Conversions Part 2

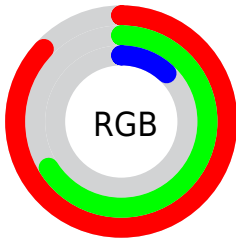
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 223, 30
Decimal	14657566
CIELab	72.09, 9.06, 70.53
CIELCh	72, 71.107, 82.682
Yxy	43.7870, 0.4664, 0.4572
Android (android.graphics.Color)	4292847646 (0xFFDFA81E)
YUV	168.7130, -68.3855, 47.6097
Hunter-Lab	66.1717, 4.6936, 39.7564

# Details

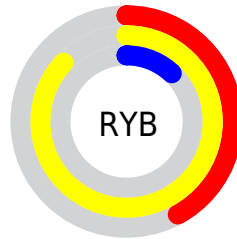
The XYZ color **44.6684, 43.7870, 7.3257** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.1032, 12.1007, 71.2457**, and the grayscale version is **37.8721, 39.8444, 43.3905**.

A 20% lighter version of the original color is **69.5160, 74.7907, 20.6697**, and **21.3496, 20.2773, 2.7887** is the 20% darker color. If you saturate the color by 10%, you get **43.3325, 41.4229, 5.9328**, and if you desaturate by 10%, it is **46.2637, 46.3502, 9.7932**.

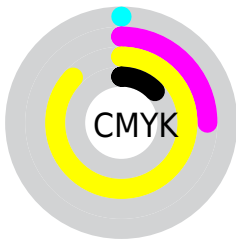
# Distribution



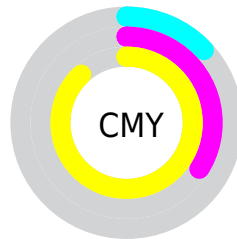
- Red (87%)
- Green (66%)
- Blue (12%)



- Red (42%)
- Yellow (87%)
- Blue (12%)



- Cyan (0%)
- Magenta (25%)
- Yellow (87%)
- Black (13%)




- Cyan (13%)
- Magenta (34%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6684, 43.7870, 7.3257 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 44.6684, 43.7870, 7.3257 by changing the saturation by 10% instead.





 44.6684, 43.7870,  
7.3257


 44.6684, 43.7870,  
7.3257


356.2352,  
361.8384, 180.0756

 31.3965, 30.5031,  
3.5851


 81.4627, 80.8971,  
21.1494

 21.0543, 20.2208,  
1.4006


 105.7158,  
105.4921, 32.0696

 13.2764, 12.5556,  
0.1422


 134.3601,  
134.6263, 46.2201

 7.6974, 7.1233,  
0.0000

 167.7607,  
168.6840, 64.0194

 3.9521, 3.5393,  
0.0000

 206.2832,  
208.0497, 85.8860

 1.6751, 1.4194,  
0.0000

 250.2929,

 0.4406, 0.2309,

253.1077, 112.2386

0.0000

300.1551,  
304.2425, 143.4956

■ 0.0000, 0.0000,  
0.0000

■ 44.6684, 43.7870,  
7.3257

■ 44.6684, 43.7870,  
7.3257

■ 43.3325, 41.4229,  
5.9328

■ 46.2637, 46.3502,  
9.7932

■ 42.9079, 40.6412,  
5.5831

■ 48.1537, 49.1224,  
13.5297

■ 50.3695, 52.1192,  
18.6916

■ 52.9371, 55.3522,  
25.4116

■ 55.8795, 58.8317,  
33.8076

■ 59.2176, 62.5674,  
43.9857

■ 62.9706, 66.5681,  
56.0433

■ 67.1563, 70.8419,  
70.0708

■ 71.7914, 75.3967,  
86.1527

# Harmonies

## Analogous

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



57.4644, 43.7870, 11.7882



44.6684, 43.7870, 7.3257



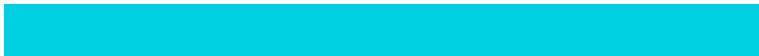
33.2370, 43.7870, 8.7370

# Triad

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



44.6684, 43.7870, 7.3257



23.5569, 43.7870, 78.4429



63.1215, 43.7870, 100.8889

# Complementary

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



44.6684, 43.7870, 7.3257



17.1032, 12.1007, 71.2457

# 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.



51.3019, 43.7870, 140.0004



44.6684, 43.7870, 7.3257



28.9910, 43.7870, 123.2264

# Square

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



44.6684, 43.7870, 7.3257



22.4671, 43.7870, 39.6449



38.7102, 43.7870, 149.7188



69.3857, 43.7870, 56.7258



# Rectangle

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



44.6684, 43.7870, 7.3257



27.6937, 43.7870, 13.4473



38.7102, 43.7870, 149.7188



59.5680, 43.7870, 115.7948

# Sweetspot

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



44.6694, 43.7892, 7.3265



80.4193, 84.9742, 60.1367



32.6531, 17.3197, 10.8337



16.8603, 17.8003, 11.7743



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.



44.6694, 43.7892, 7.3265



58.0373, 54.8546, 7.5291



46.4852, 63.1086, 10.9599



14.5245, 15.3350, 14.5012



25.3302, 24.0983, 3.3164



1.8309, 1.8206, 0.2549



# Inverse Universe

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



17.1032, 12.1007, 71.2457



20.4104, 11.9408, 95.8368



16.2099, 7.5073, 70.4062



13.2685, 13.8762, 17.3667



8.9780, 5.4255, 41.6224



0.6973, 0.5260, 2.9100



# Previews

## White Background



This preview shows how the XYZ color 44.6684, 43.7870, 7.3257 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 44.6684, 43.7870, 7.3257 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 44.6684, 43.7870, 7.3257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6684, 43.7870, 7.3257.



This preview shows how white text looks on a background with the XYZ color 44.6684, 43.7870,



# 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

44.6684, 43.7870, 7.3257

### Protanopia

39.5498, 43.6962, 7.7886

### Deuteranopia

44.6684, 43.7870, 7.3257



## Tritanopia

51.9113, 43.5930, 42.7241

# Trichromacy



## Original Color

44.6684, 43.7870, 7.3257

## Protanomaly

41.4092, 43.7863, 7.6356

## Deuteranomaly

44.6684, 43.7870, 7.3257

## Tritanomaly

47.8357, 42.9436, 22.9073

# Monochromacy



## Original Color

44.6684, 43.7870, 7.3257

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.4442, 40.5028, 22.9311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6684, 43.7870, 7.3257 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(223, 168, 30)` looks like.

```
.text, #text, p{  
    color:rgb(223, 168, 30)  
}
```

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(223, 168, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 168, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6684, 43.7870, 7.3257 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(223, 168, 30) }
```



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

```
.border{ border-color:rgb(223, 168, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 168, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 168, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 168, 30);  
box-shadow:4px 4px 4px 4px rgb(223, 168,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6684, 43.7870, 7.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 168, 30) }
```

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

```
.background{ background-color: rgb(223,  
168, 30) }
```

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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